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ACIDIC PRECIPITATION IN ONTARIO STUDY - ANNUAL STATISTICS OF CONCENTRATION CUMULATIVE AMBIENT AIR MONITORING NETWORK, 1990

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ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION CUMULATIVE

AMBIENT AIR MONITORING NETWORK

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ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION

CUMULATIVE AMBIENT AIR MONITORING NETWORK, 1990

Report prepared by:

Special Studies and Research Management Unit
Atmospheric Research and Special Programs Section
Air Resources Branch

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PART I

INTRODUCTION

INTRODUCTION

The statistical summaries presented in this report pertain to the 1990 analytical results obtained from the Acidic Precipitation in Ontario Study (APIOS) cumulative ambient air monitoring network. The relevant data can be obtained on request from the Air Resources Branch of The Ministry of Environment and Energy. Any sample of which sampling period is less than 23 days or greater than 33 days is not included in the statistics calculations. All available data are utilized in the calculations except results reported as being unreliable (i.e., results are identified as unreasonable values by using the validation procedures; detailed description of the validation procedures is available from the Ministry upon request) or approximate (i.e., inexact results are reported due to laboratory difficulties, such as may be encountered in calibration, or when the sample cannot be re-analyzed to confirm the reported value). In a very few cases, concentration levels exceeded the upper limit of the range of the chemical analysis. Rather than using the upper limit, a decision was made to exclude these values from the statistics generated in this report. Reported results for metals which have missing leachate analysis are also excluded from statistical analysis. Results labelled as <W are replaced by "zero". W is the level which the analytical technique cannot distinguish from zero. Prior to 1986, if a level was recorded less than the detection limit T, a value corresponding to one half the detection limit was utilized for statistical calculations as

reported in the statistical summaries. These values are no longer halved. Note that T is normally about ten times W, and values above the T criteria are considered to be precise and accurate. W corresponds to approximately one standard deviation of low level duplicate of real samples. In the presented statistics summaries, "Total Sulphur" is calculated by the summation of sulphur of Sulphur Dioxide" and "Sulphate".

Beginning in 1985, "Sulphur Dioxide" is corrected by the addition of nylon filter sulfate. In these reports sulphur loading on nylon filters is interpreted as sulphur dioxide. However, it is possible that organic sulphur compounds also contribute to this loading. Methods do not currently exist to quantify this contribution in routine network operation.

The statistical summaries presented in Parts III to IV include number of samples, mean (arithmetic/geometric), standard deviation, maximum, minimum, quartiles. These statistics are for an average sampling period.

Whatman 40 Blank Filters

The occurrence of non-zero blank values for the Whatman 40 filters used in the cumulative network should be borne in mind when interpreting data from this method.

PART II

STATION LOCATION

1. CAMPBELLFORD
2. CLOYNE
3. COLCHESTER
4. COLDWATER
5. DALHOUSIE MILLS
6. DORION
7. DORSET
8. E.L.A.
9. EAR FALLS
10. GERALDTON
11. GOLDEN LK.
12. GOWGANDA
13. HANMER-2
14. HURON PK.
15. KILLARNEY
16. MATTAWA
17. MERLIN
18. MOONBEAM
19. MOOSONEE
20. McFARLANE LAKE
21. McKELLAR
22. PALMERSTON
23. PICKLE LAKE
24. PORT STANLEY
25. PT.PETRE
26. QUETICO CENTRE
27. SHALLOW LAKE
28. SMITHS FALLS
29. TORONTO ISLAND
30. TURKEY LAKES
31. UXBRIDGE
32. WILKESPORT
33. WOLF RIDGE

APIOS CUMULATIVE AMBIENT AIR NETWORK SITES

MOE REGION	STATION NAME	LATITUDE	LONGITUDE	NORTHING	EASTING
Southwestern	Colchester	41°59′15"	82°55′41"	4650000	340300
	Huron Park	43°17′28"	81°30′03"	4793000	459350
	Merlin	42°14′47"	82°13′30"	4676400	398950
	Palmerston	43°48′19"	80°54′12"	4850050	507750
	Port Stanley	42°40′22"	81°09′55"	4724050	486700
	Shallow Lake	44°34′54"	81°05′24"	4936200	492850
	Wilkesport	42°42′11"	82°21′13"	4728350	389150
Central	Campbellford	44°27′28"	77°47′33"	4907600	277150
	Coldwater	44°37′31"	79°32′08"	4942200	615900
	Dorset	45°13′26"	78°55′52"	5009650	662400
	Toronto Island	43°39′15"	79°23′14"	4834511	630056
	Uxbridge	44°12′46"	79°12′38"	4896800	643000
Southeastern	Cloyne	44°49′09"	77°11′45"	4964750	327100
	Golden Lake	45°36′48"	77°12′03"	5053200	328400
	Pt. Petre	43°50′20"	77°09′10"	4856015	326929
	Smiths Falls	44°56′41"	75°57′48"	4977100	423950
Northeastern	Gowganda	47°39′04"	80°46′32"	5277300	516600
	Hanmer-2	46°39′45"	80°56′37"	5167443	504314
	Killarney	45°59′26"	81°29′18"	5092900	462200
	Mattawa	46°16′45"	78°49′19"	5127150	667800
	McFarlane Lake	46°25′57"	81°57′03"	5142323	426948
	McKellar	45°30′57"	79°55′19"	5040600	583950
	Moonbeam	49°19′16"	82°08′46"	5463600	416650
	Moosonee	51°12′35"	80°42′20"	5673000	520550
	Turkey Lakes	47°03′15"	84°24′00"	5214250	696750
Northwestern	Dorion	48°50′33"	88°36′45"	5228750	569500
	E.L.A.	49°39′22"	93°43′28"	5500950	447350
	Ear Falls	50°38′31"	93°13′13"	5609813	484424
	Geraldton	49°48′05"	86°46′00"	5516300	516750
	Pickle Lake	51°02′41"	90°12′04"	5658307	696198
	Quetico Centre	48°24′44"	91°12′08"	5363461	633035
Out of Prov.	Wolf Ridge	47°23′00"	91°12′25"	5249100	635375

PART III

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY STATION

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: COLCHESTER LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	14.957	7.726	0.4505	1.091	0.977	0.811	0.2407	0.3295
MINIMUM :	3.531	1.146	0.1153	0.375	0.207	0.000	0.0257	0.0840
ARITH. MEAN :	8.736	4.123	0.2382	0.837	0.558	0.485	0.0768	0.1601
ARITH. STD. DEV. :	2.742	1.839	0.0886	0.199	0.240	0.193	0.0524	0.0622
GEOM. MEAN :	8.263	3.682	0.2220	0.807	0.505	0.533	0.0651	0.1506
1ST QUARTILE :	7.849	3.084	0.1878	0.748	0.357	0.453	0.0515	0.1300
2ND QUARTILE :	8.796	3.837	0.2268	0.890	0.528	0.496	0.0598	0.1436
3RD QUARTILE :	10.099	5.155	0.2890	0.997	0.745	0.557	0.0839	0.1488
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.2040	0.1241	0.2124	0.0188	0.0099	0.0040	0.0036	0.0022
MINIMUM :	0.0250	0.0063	0.0470	0.0006	0.0019	0.0000	0.0000	0.0001
ARITH. MEAN :	0.0929	0.0563	0.1268	0.0099	0.0065	0.0020	0.0011	0.0012
ARITH. STD. DEV. :	0.0529	0.0369	0.0511	0.0044	0.0023	0.0015	0.0009	0.0005
GEOM. MEAN :	0.0776	0.0421	0.1159	0.0080	0.0059	0.0090	0.0029	0.0010
1ST QUARTILE :	0.0592	0.0263	0.0792	0.0073	0.0055	0.0008	0.0004	0.0009
2ND QUARTILE :	0.0855	0.0483	0.1157	0.0108	0.0065	0.0019	0.0008	0.0011
3RD QUARTILE :	0.1105	0.0723	0.1655	0.0113	0.0085	0.0034	0.0015	0.0014
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0538	0.00070	0.0021	1.6088	8.76	1.36
MINIMUM :	0.0047	0.00010	0.0000	0.7063	2.79	0.49
ARITH. MEAN :	0.0275	0.00038	0.0008	1.1835	5.74	1.07
ARITH. STD. DEV. :	0.0118	0.00021	0.0005	0.2863	1.52	0.26
GEOM. MEAN :	0.0242	0.00031	0.0026	1.1472	5.50	1.04
1ST QUARTILE :	0.0198	0.00020	0.0006	0.9437	5.24	0.87
2ND QUARTILE :	0.0268	0.00040	0.0008	1.2555	5.95	1.18
3RD QUARTILE :	0.0331	0.00060	0.0010	1.3734	6.33	1.22
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: MERLIN LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	9	9	9	9	9	9	9	9
MAXIMUM :	12.169	6.475	0.2377	1.174	1.443	0.525	0.0859	0.1771
MINIMUM :	3.266	2.257	0.1226	0.347	0.213	0.190	0.0095	0.0722
ARITH. MEAN :	6.389	3.887	0.1730	0.653	0.548	0.355	0.0508	0.1131
ARITH. STD. DEV. :	3.677	1.281	0.0383	0.294	0.374	0.115	0.0223	0.0355
GEOM. MEAN :	5.448	3.691	0.1688	0.592	0.456	0.336	0.0436	0.1081
1ST QUARTILE :	3.334	2.679	0.1325	0.349	0.251	0.238	0.0350	0.0872
2ND QUARTILE :	3.888	3.728	0.1689	0.595	0.420	0.315	0.0516	0.0958
3RD QUARTILE :	9.843	4.037	0.1905	0.735	0.592	0.457	0.0546	0.1295
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	9	9	9	9	9	9	9	9
MAXIMUM :	0.3280	0.1968	0.2362	0.0171	0.0129	0.0251	0.0015	0.0014
MINIMUM :	0.0429	0.0157	0.0347	0.0045	0.0029	0.0009	0.0003	0.0005
ARITH. MEAN :	0.1127	0.0580	0.0932	0.0085	0.0056	0.0047	0.0008	0.0009
ARITH. STD. DEV. :	0.0881	0.0589	0.0623	0.0041	0.0032	0.0077	0.0004	0.0004
GEOM. MEAN :	0.0901	0.0392	0.0769	0.0077	0.0050	0.0023	0.0007	0.0008
1ST QUARTILE :	0.0568	0.0203	0.0423	0.0048	0.0031	0.0010	0.0005	0.0005
2ND QUARTILE :	0.0721	0.0304	0.0711	0.0075	0.0045	0.0020	0.0007	0.0008
3RD QUARTILE :	0.1219	0.0432	0.1159	0.0108	0.0059	0.0024	0.0010	0.0011
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	9	9	9	9	9	9
MAXIMUM :	0.0341	0.00070	0.0010	1.3945	7.08	1.39
MINIMUM :	0.0110	0.00000	0.0003	0.6521	2.42	0.47
ARITH. MEAN :	0.0193	0.00034	0.0006	0.9774	4.49	0.83
ARITH. STD. DEV. :	0.0080	0.00022	0.0003	0.2007	1.95	0.31
GEOM. MEAN :	0.0178	0.00090	0.0005	0.9574	4.10	0.77
1ST QUARTILE :	0.0124	0.00010	0.0003	0.8747	2.95	0.51
2ND QUARTILE :	0.0163	0.00035	0.0005	0.9282	3.31	0.73
3RD QUARTILE :	0.0221	0.00050	0.0008	1.0270	6.90	0.93
MISSING VALUES :	1	1	1	1	1	1

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: PORT STANLEY LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	14.657	10.344	0.5104	1.096	0.743	0.465	0.0800	0.2201
MINIMUM :	4.406	2.356	0.1692	0.488	0.212	0.286	0.0393	0.0877
ARITH. MEAN :	9.196	4.648	0.2807	0.772	0.433	0.380	0.0591	0.1413
ARITH. STD. DEV. :	3.272	2.034	0.0790	0.165	0.125	0.061	0.0126	0.0375
GEOM. MEAN :	8.581	4.300	0.2716	0.755	0.415	0.375	0.0577	0.1366
1ST QUARTILE :	6.039	3.380	0.2484	0.682	0.379	0.322	0.0506	0.1258
2ND QUARTILE :	9.418	3.966	0.2715	0.723	0.418	0.383	0.0574	0.1324
3RD QUARTILE :	12.170	5.217	0.2797	0.892	0.463	0.436	0.0672	0.1527
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.2515	0.1677	0.1557	0.0115	0.0119	0.0044	0.0022	0.0017
MINIMUM :	0.0391	0.0196	0.0359	0.0071	0.0036	0.0000	0.0000	0.0005
ARITH. MEAN :	0.0997	0.0621	0.0806	0.0096	0.0068	0.0021	0.0008	0.0011
ARITH. STD. DEV. :	0.0510	0.0376	0.0279	0.0015	0.0019	0.0013	0.0007	0.0003
GEOM. MEAN :	0.0900	0.0533	0.0761	0.0095	0.0066	0.0031	0.0049	0.0010
1ST QUARTILE :	0.0734	0.0377	0.0722	0.0082	0.0057	0.0017	0.0005	0.0008
2ND QUARTILE :	0.0907	0.0466	0.0764	0.0099	0.0066	0.0019	0.0009	0.0011
3RD QUARTILE :	0.0978	0.0750	0.0881	0.0110	0.0074	0.0030	0.0010	0.0013
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0323	0.00050	0.0012	1.9462	8.50	1.38
MINIMUM :	0.0130	0.00000	0.0005	0.7869	3.78	0.74
ARITH. MEAN :	0.0211	0.00027	0.0008	1.1156	6.15	1.05
ARITH. STD. DEV. :	0.0055	0.00015	0.0002	0.3377	1.36	0.18
GEOM. MEAN :	0.0204	0.00105	0.0008	1.0725	5.99	1.04
1ST QUARTILE :	0.0174	0.00020	0.0007	0.8726	5.16	0.93
2ND QUARTILE :	0.0206	0.00030	0.0007	0.9852	6.32	1.01
3RD QUARTILE :	0.0233	0.00040	0.0010	1.2627	7.13	1.23
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: WILKESPORT LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	16.931	4.260	0.4260	1.121	0.781	0.704	0.0709	0.3061
MINIMUM :	11.690	3.879	0.2081	0.765	0.343	0.638	0.0467	0.2250
ARITH. MEAN :	14.841	4.021	0.2876	0.975	0.523	0.664	0.0558	0.2554
ARITH. STD. DEV. :	2.268	0.170	0.0982	0.152	0.187	0.029	0.0107	0.0361
GEOM. MEAN :	14.655	4.018	0.2727	0.962	0.492	0.663	0.0549	0.2530
1ST QUARTILE :	11.690	3.879	0.2081	0.765	0.343	0.638	0.0467	0.2250
2ND QUARTILE :	15.903	3.926	0.2288	1.037	0.446	0.649	0.0499	0.2350
3RD QUARTILE :	16.931	4.260	0.4260	1.121	0.781	0.704	0.0709	0.3061
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	0.1106	0.0799	0.1148	0.0115	0.0066	0.0022	0.0014	0.0025
MINIMUM :	0.0735	0.0536	0.0582	0.0081	0.0054	0.0000	0.0000	0.0010
ARITH. MEAN :	0.0982	0.0689	0.0802	0.0095	0.0062	0.0012	0.0009	0.0016
ARITH. STD. DEV. :	0.0174	0.0111	0.0248	0.0015	0.0006	0.0009	0.0006	0.0006
GEOM. MEAN :	0.0965	0.0679	0.0767	0.0094	0.0062	0.0142	0.0119	0.0015
1ST QUARTILE :	0.0735	0.0536	0.0582	0.0081	0.0054	0.0000	0.0000	0.0010
2ND QUARTILE :	0.1104	0.0731	0.0676	0.0088	0.0066	0.0013	0.0012	0.0014
3RD QUARTILE :	0.1106	0.0799	0.1148	0.0115	0.0066	0.0022	0.0014	0.0025
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	3	3	3	3	3	3
MAXIMUM :	0.0343	0.00060	0.0012	1.2971	9.89	1.46
MINIMUM :	0.0199	0.00050	0.0008	1.0683	7.15	0.99
ARITH. MEAN :	0.0273	0.00053	0.0010	1.1564	8.76	1.26
ARITH. STD. DEV. :	0.0059	0.00005	0.0002	0.1006	1.17	0.20
GEOM. MEAN :	0.0266	0.00053	0.0010	1.1521	8.68	1.25
1ST QUARTILE :	0.0199	0.00050	0.0008	1.0683	7.15	0.99
2ND QUARTILE :	0.0276	0.00050	0.0009	1.1037	9.24	1.33
3RD QUARTILE :	0.0343	0.00060	0.0012	1.2971	9.89	1.46
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
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STATION: SHALLOW LAKE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	14.162	5.592	0.4620	0.943	0.776	0.400	0.0702	4.5140
MINIMUM :	1.662	1.035	0.0789	0.291	0.186	0.184	0.0000	0.0906
ARITH. MEAN :	4.537	3.503	0.1506	0.547	0.374	0.290	0.0388	0.7508
ARITH. STD. DEV. :	3.422	1.363	0.0932	0.207	0.144	0.065	0.0168	1.1514
GEOM. MEAN :	3.685	3.200	0.1351	0.510	0.350	0.283	0.0513	0.3663
1ST QUARTILE :	2.407	2.594	0.1007	0.365	0.311	0.236	0.0339	0.1600
2ND QUARTILE :	3.532	3.168	0.1333	0.482	0.332	0.314	0.0397	0.3525
3RD QUARTILE :	4.505	4.396	0.1538	0.696	0.416	0.325	0.0472	0.6197
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1878	0.1377	0.2003	0.0078	0.0083	0.0153	0.0013	0.0011
MINIMUM :	0.0271	0.0148	0.0554	0.0021	0.0019	0.0000	0.0005	0.0002
ARITH. MEAN :	0.0744	0.0454	0.0889	0.0053	0.0044	0.0038	0.0007	0.0006
ARITH. STD. DEV. :	0.0387	0.0327	0.0377	0.0015	0.0016	0.0039	0.0002	0.0003
GEOM. MEAN :	0.0665	0.0371	0.0831	0.0051	0.0041	0.0047	0.0007	0.0005
1ST QUARTILE :	0.0506	0.0259	0.0659	0.0047	0.0037	0.0021	0.0006	0.0004
2ND QUARTILE :	0.0682	0.0320	0.0730	0.0054	0.0042	0.0026	0.0006	0.0005
3RD QUARTILE :	0.0852	0.0499	0.1008	0.0060	0.0049	0.0034	0.0008	0.0007
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0159	0.00050	0.0009	3.1852	8.14	1.40
MINIMUM :	0.0047	0.00000	0.0000	0.7201	1.55	0.43
ARITH. MEAN :	0.0100	0.00015	0.0005	1.3479	3.44	0.70
ARITH. STD. DEV. :	0.0031	0.00015	0.0003	0.5964	1.64	0.28
GEOM. MEAN :	0.0095	0.00248	0.0017	1.2511	3.15	0.65
1ST QUARTILE :	0.0089	0.00000	0.0004	0.9807	2.66	0.47
2ND QUARTILE :	0.0093	0.00010	0.0005	1.3571	2.73	0.58
3RD QUARTILE :	0.0116	0.00030	0.0007	1.4796	3.72	0.82
MISSING VALUES :	0	0	0	0	0	0

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STATION: PALMERSTON LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	43.697	16.440	1.5582	3.479	1.620	2.526	0.2430	0.9530
MINIMUM :	2.198	1.801	0.0788	0.411	0.219	0.178	0.0222	0.0614
ARITH. MEAN :	8.096	4.631	0.2864	0.897	0.491	0.501	0.0541	0.1977
ARITH. STD. DEV. :	10.637	3.776	0.3762	0.788	0.356	0.609	0.0556	0.2312
GEOM. MEAN :	5.330	3.811	0.1929	0.729	0.417	0.353	0.0426	0.1356
1ST QUARTILE :	2.996	2.861	0.1235	0.513	0.305	0.216	0.0329	0.0747
2ND QUARTILE :	4.725	3.259	0.1494	0.623	0.345	0.282	0.0385	0.0944
3RD QUARTILE :	7.622	4.374	0.2711	0.804	0.497	0.394	0.0431	0.2148
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1980	0.1048	0.4003	0.0372	0.0172	0.0029	0.0038	0.0038
MINIMUM :	0.0238	0.0182	0.0562	0.0035	0.0029	0.0000	0.0000	0.0003
ARITH. MEAN :	0.0652	0.0440	0.1188	0.0083	0.0053	0.0013	0.0008	0.0009
ARITH. STD. DEV. :	0.0433	0.0260	0.0876	0.0086	0.0036	0.0010	0.0010	0.0009
GEOM. MEAN :	0.0557	0.0375	0.1005	0.0065	0.0046	0.0065	0.0076	0.0007
1ST QUARTILE :	0.0453	0.0241	0.0674	0.0046	0.0034	0.0004	0.0000	0.0004
2ND QUARTILE :	0.0472	0.0352	0.0878	0.0057	0.0041	0.0012	0.0005	0.0006
3RD QUARTILE :	0.0787	0.0541	0.1409	0.0065	0.0053	0.0022	0.0009	0.0009
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0762	0.00070	0.0029	5.0415	27.33	5.04
MINIMUM :	0.0070	0.00000	0.0000	0.5063	2.17	0.49
ARITH. MEAN :	0.0190	0.00020	0.0006	1.3497	5.59	1.18
ARITH. STD. DEV. :	0.0184	0.00018	0.0007	1.2266	6.46	1.16
GEOM. MEAN :	0.0144	0.00159	0.0018	1.0603	4.08	0.93
1ST QUARTILE :	0.0097	0.00010	0.0003	0.7963	2.56	0.61
2ND QUARTILE :	0.0121	0.00020	0.0005	0.9124	3.25	0.84
3RD QUARTILE :	0.0168	0.00020	0.0006	1.0982	5.01	1.06
MISSING VALUES :	0	0	0	0	0	0

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STATION: HURON PARK LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	6	6	6	6	6	6	6	6
MAXIMUM :	7.080	8.633	0.2380	1.231	1.584	0.468	0.0821	0.1533
MINIMUM :	3.971	3.985	0.1749	0.531	0.583	0.285	0.0291	0.0898
ARITH. MEAN :	5.108	5.467	0.1900	0.813	0.867	0.363	0.0620	0.1155
ARITH. STD. DEV. :	1.157	1.612	0.0219	0.217	0.338	0.073	0.0168	0.0230
GEOM. MEAN :	4.986	5.259	0.1889	0.786	0.815	0.356	0.0590	0.1132
1ST QUARTILE :	4.081	4.169	0.1765	0.714	0.605	0.291	0.0578	0.0925
2ND QUARTILE :	4.664	5.061	0.1808	0.748	0.763	0.348	0.0654	0.1135
3RD QUARTILE :	6.190	5.895	0.1892	0.904	0.904	0.442	0.0723	0.1302
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	6	6	6	6	6	6	6	6
MAXIMUM :	0.3023	0.2015	0.2303	0.0107	0.0144	0.0072	0.0015	0.0014
MINIMUM :	0.0602	0.0252	0.0868	0.0062	0.0058	0.0014	0.0005	0.0003
ARITH. MEAN :	0.1297	0.0821	0.1282	0.0086	0.0084	0.0033	0.0010	0.0009
ARITH. STD. DEV. :	0.0899	0.0669	0.0486	0.0018	0.0031	0.0019	0.0003	0.0004
GEOM. MEAN :	0.1058	0.0599	0.1210	0.0084	0.0079	0.0029	0.0010	0.0008
1ST QUARTILE :	0.0685	0.0342	0.0985	0.0066	0.0062	0.0020	0.0008	0.0006
2ND QUARTILE :	0.0759	0.0432	0.1064	0.0088	0.0068	0.0028	0.0011	0.0008
3RD QUARTILE :	0.1956	0.1451	0.1409	0.0105	0.0103	0.0038	0.0012	0.0013
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	6	6	6	6	6	6
MAXIMUM :	0.0345	0.00030	0.0009	1.5629	5.51	1.41
MINIMUM :	0.0142	0.00000	0.0000	0.9818	3.31	0.71
ARITH. MEAN :	0.0220	0.00020	0.0006	1.2238	4.38	1.00
ARITH. STD. DEV. :	0.0074	0.00010	0.0003	0.1905	0.83	0.22
GEOM. MEAN :	0.0208	0.00095	0.0022	1.2095	4.30	0.98
1ST QUARTILE :	0.0151	0.00020	0.0005	1.0617	3.60	0.89
2ND QUARTILE :	0.0204	0.00020	0.0006	1.1937	4.23	0.96
3RD QUARTILE :	0.0275	0.00030	0.0007	1.3489	5.38	1.09
MISSING VALUES :	0	0	0	0	0	0

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STATION: DORSET LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	6.243	4.995	0.2590	0.384	0.381	0.289	0.1273	0.2204
MINIMUM :	1.691	1.548	0.0631	0.115	0.053	0.101	0.0152	0.0952
ARITH. MEAN :	3.659	2.719	0.1436	0.215	0.166	0.155	0.0416	0.1467
ARITH. STD. DEV. :	1.521	1.189	0.0500	0.091	0.086	0.056	0.0274	0.0377
GEOM. MEAN :	3.343	2.491	0.1343	0.197	0.146	0.146	0.0360	0.1419
1ST QUARTILE :	2.288	1.994	0.1146	0.138	0.108	0.106	0.0273	0.1107
2ND QUARTILE :	3.093	2.068	0.1526	0.175	0.130	0.149	0.0318	0.1512
3RD QUARTILE :	4.861	4.054	0.1685	0.268	0.213	0.182	0.0461	0.1690
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.4146	0.3267	0.1633	0.0055	0.0087	0.0088	0.0034	0.0010
MINIMUM :	0.0109	0.0088	0.0159	0.0025	0.0013	0.0012	0.0000	0.0000
ARITH. MEAN :	0.1034	0.0744	0.0533	0.0039	0.0034	0.0025	0.0008	0.0004
ARITH. STD. DEV. :	0.1265	0.0975	0.0500	0.0009	0.0024	0.0020	0.0008	0.0003
GEOM. MEAN :	0.0555	0.0377	0.0383	0.0038	0.0028	0.0021	0.0021	0.0007
1ST QUARTILE :	0.0287	0.0172	0.0223	0.0033	0.0019	0.0016	0.0003	0.0003
2ND QUARTILE :	0.0365	0.0263	0.0283	0.0038	0.0022	0.0019	0.0005	0.0004
3RD QUARTILE :	0.1376	0.0901	0.0713	0.0046	0.0049	0.0024	0.0010	0.0005
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0138	0.00030	0.0007	1.2387	3.81	0.64
MINIMUM :	0.0009	0.00000	0.0000	0.6457	1.38	0.20
ARITH. MEAN :	0.0076	0.00013	0.0005	0.9612	2.74	0.36
ARITH. STD. DEV. :	0.0033	0.00007	0.0002	0.1567	0.68	0.12
GEOM. MEAN :	0.0065	0.00026	0.0009	0.9478	2.64	0.34
1ST QUARTILE :	0.0055	0.00010	0.0005	0.8446	2.38	0.27
2ND QUARTILE :	0.0083	0.00010	0.0005	0.9965	2.86	0.33
3RD QUARTILE :	0.0099	0.00020	0.0006	1.0434	3.09	0.43
MISSING VALUES :	0	0	0	0	0	0

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STATION: UXBRIDGE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	8.746	3.528	0.4192	0.637	0.518	0.564	0.0889	0.9404
MINIMUM :	0.000	0.138	0.0539	0.095	0.022	0.218	0.0000	0.0881
ARITH. MEAN :	4.769	2.247	0.2789	0.406	0.203	0.421	0.0342	0.5376
ARITH. STD. DEV. :	3.614	1.503	0.1607	0.229	0.224	0.147	0.0391	0.3495
GEOM. MEAN :	3.650	1.145	0.2018	0.309	0.091	0.389	0.1068	0.3645
1ST QUARTILE :	0.000	0.138	0.0539	0.095	0.022	0.218	0.0000	0.0881
2ND QUARTILE :	5.560	3.075	0.3635	0.488	0.068	0.480	0.0137	0.5843
3RD QUARTILE :	8.746	3.528	0.4192	0.637	0.518	0.564	0.0889	0.9404
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	0.0991	0.0566	0.0518	0.0088	0.0049	0.0023	0.0011	0.0006
MINIMUM :	0.0143	0.0035	0.0000	0.0000	0.0004	0.0003	0.0000	0.0000
ARITH. MEAN :	0.0588	0.0353	0.0272	0.0029	0.0033	0.0016	0.0006	0.0004
ARITH. STD. DEV. :	0.0347	0.0229	0.0212	0.0041	0.0021	0.0009	0.0004	0.0003
GEOM. MEAN :	0.0447	0.0208	0.1157	0.2065	0.0021	0.0011	0.0087	0.0071
1ST QUARTILE :	0.0143	0.0035	0.0000	0.0000	0.0004	0.0003	0.0000	0.0000
2ND QUARTILE :	0.0629	0.0457	0.0299	0.0000	0.0047	0.0022	0.0006	0.0006
3RD QUARTILE :	0.0991	0.0566	0.0518	0.0088	0.0049	0.0023	0.0011	0.0006
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	3	3	3	3	3	3
MAXIMUM :	0.0220	0.00030	0.0006	2.2414	5.40	1.06
MINIMUM :	0.0000	0.00000	0.0000	0.4985	0.22	0.15
ARITH. MEAN :	0.0129	0.00020	0.0004	1.4152	3.19	0.69
ARITH. STD. DEV. :	0.0094	0.00014	0.0003	0.7144	2.18	0.39
GEOM. MEAN :	0.0718	0.00448	0.0067	1.1894	1.67	0.51
1ST QUARTILE :	0.0000	0.00000	0.0000	0.4985	0.22	0.15
2ND QUARTILE :	0.0168	0.00030	0.0005	1.5058	3.96	0.85
3RD QUARTILE :	0.0220	0.00030	0.0006	2.2414	5.40	1.06
MISSING VALUES :	0	0	0	0	0	0

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STATION: CAMPBELLFORD LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	9	9	9	9	9	9	9	9
MAXIMUM :	10.305	6.853	0.2729	1.078	6.072	0.531	0.2001	0.2610
MINIMUM :	2.770	2.159	0.0602	0.439	0.405	0.224	0.0587	0.1038
ARITH. MEAN :	5.285	4.942	0.1285	0.672	1.867	0.375	0.1066	0.1581
ARITH. STD. DEV. :	2.677	1.853	0.0653	0.246	1.800	0.106	0.0455	0.0554
GEOM. MEAN :	4.682	4.525	0.1153	0.630	1.301	0.359	0.0984	0.1494
1ST QUARTILE :	2.931	2.645	0.0793	0.455	0.697	0.252	0.0722	0.1090
2ND QUARTILE :	4.276	6.056	0.1119	0.485	1.474	0.381	0.0889	0.1247
3RD QUARTILE :	7.800	6.831	0.1518	0.888	2.053	0.491	0.1412	0.2054
MISSING VALUES :	2	2	2	2	2	2	2	2

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	9	9	9	9	9	9	9	9
MAXIMUM :	0.2053	0.1626	0.1932	0.0116	0.0118	0.0048	0.0018	0.0014
MINIMUM :	0.0405	0.0258	0.0380	0.0063	0.0037	0.0025	0.0004	0.0004
ARITH. MEAN :	0.0946	0.0637	0.1011	0.0088	0.0079	0.0036	0.0011	0.0008
ARITH. STD. DEV. :	0.0513	0.0446	0.0536	0.0022	0.0026	0.0008	0.0004	0.0003
GEOM. MEAN :	0.0828	0.0522	0.0879	0.0085	0.0074	0.0035	0.0010	0.0007
1ST QUARTILE :	0.0477	0.0323	0.0581	0.0066	0.0057	0.0029	0.0006	0.0005
2ND QUARTILE :	0.0920	0.0376	0.0752	0.0081	0.0083	0.0036	0.0011	0.0007
3RD QUARTILE :	0.1081	0.0787	0.1677	0.0115	0.0100	0.0044	0.0015	0.0010
MISSING VALUES :	2	2	2	2	2	2	2	2

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	9	9	9	9	9	9
MAXIMUM :	0.0222	0.00040	0.0012	1.5657	6.45	1.17
MINIMUM :	0.0097	0.00020	0.0004	0.6470	2.35	0.52
ARITH. MEAN :	0.0159	0.00029	0.0009	1.0196	4.29	0.80
ARITH. STD. DEV. :	0.0041	0.00006	0.0003	0.2780	1.24	0.23
GEOM. MEAN :	0.0153	0.00028	0.0008	0.9830	4.10	0.77
1ST QUARTILE :	0.0116	0.00020	0.0006	0.7261	3.40	0.60
2ND QUARTILE :	0.0166	0.00030	0.0009	1.0653	4.41	0.76
3RD QUARTILE :	0.0197	0.00030	0.0012	1.1034	5.25	1.02
MISSING VALUES :	2	2	2	2	2	2

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STATION: COLDWATER LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	11.498	5.890	0.3035	0.815	1.035	0.417	0.0821	0.7599
MINIMUM :	1.230	0.817	0.0734	0.182	0.034	0.173	0.0250	0.0924
ARITH. MEAN :	5.639	3.483	0.1542	0.455	0.455	0.254	0.0453	0.1959
ARITH. STD. DEV. :	2.722	1.557	0.0660	0.192	0.251	0.070	0.0179	0.1669
GEOM. MEAN :	4.916	3.084	0.1417	0.416	0.361	0.245	0.0423	0.1635
1ST QUARTILE :	3.205	2.431	0.1179	0.346	0.315	0.191	0.0342	0.1135
2ND QUARTILE :	5.092	2.913	0.1326	0.386	0.407	0.250	0.0387	0.1532
3RD QUARTILE :	6.969	4.917	0.1762	0.617	0.574	0.305	0.0470	0.1963
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1702	0.1560	0.1418	0.0135	0.0096	0.0094	0.0207	0.0009
MINIMUM :	0.0180	0.0091	0.0107	0.0007	0.0011	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0653	0.0441	0.0579	0.0061	0.0045	0.0028	0.0021	0.0005
ARITH. STD. DEV. :	0.0394	0.0376	0.0310	0.0027	0.0020	0.0027	0.0054	0.0002
GEOM. MEAN :	0.0548	0.0340	0.0496	0.0053	0.0040	0.0034	0.0046	0.0009
1ST QUARTILE :	0.0440	0.0250	0.0425	0.0050	0.0036	0.0015	0.0004	0.0004
2ND QUARTILE :	0.0591	0.0303	0.0494	0.0055	0.0042	0.0021	0.0006	0.0004
3RD QUARTILE :	0.0808	0.0435	0.0760	0.0072	0.0056	0.0024	0.0008	0.0006
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0138	0.00080	0.0014	1.3541	6.69	1.03
MINIMUM :	0.0000	0.00000	0.0000	0.7599	0.89	0.27
ARITH. MEAN :	0.0094	0.00026	0.0007	1.0521	3.98	0.61
ARITH. STD. DEV. :	0.0035	0.00019	0.0003	0.2015	1.33	0.22
GEOM. MEAN :	0.0142	0.00046	0.0012	1.0323	3.66	0.57
1ST QUARTILE :	0.0076	0.00020	0.0005	0.8504	3.53	0.44
2ND QUARTILE :	0.0099	0.00020	0.0007	1.0425	4.14	0.53
3RD QUARTILE :	0.0124	0.00030	0.0007	1.2585	4.38	0.79
MISSING VALUES :	0	0	0	0	0	0

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STATION: TORONTO ISLAND LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	24.234	7.114	0.3079	1.371	1.379	1.369	0.1399	2.4270
MINIMUM :	0.744	1.546	0.0876	0.000	0.274	0.339	0.0146	0.1285
ARITH. MEAN :	8.986	4.485	0.1921	0.836	0.764	0.618	0.0705	0.6811
ARITH. STD. DEV. :	6.039	1.904	0.0623	0.360	0.340	0.310	0.0306	0.6698
GEOM. MEAN :	6.900	4.039	0.1817	0.867	0.677	0.558	0.0626	0.4422
1ST QUARTILE :	5.174	2.667	0.1484	0.628	0.455	0.374	0.0489	0.2008
2ND QUARTILE :	7.508	4.003	0.1780	0.947	0.852	0.482	0.0702	0.3155
3RD QUARTILE :	10.210	6.561	0.2240	0.987	1.019	0.658	0.0840	0.8497
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.3637	0.2121	0.2879	0.0273	0.0182	0.0102	0.0018	0.0024
MINIMUM :	0.0389	0.0144	0.0418	0.0059	0.0040	0.0031	0.0005	0.0003
ARITH. MEAN :	0.1427	0.0721	0.1303	0.0133	0.0104	0.0055	0.0012	0.0011
ARITH. STD. DEV. :	0.0832	0.0510	0.0627	0.0057	0.0036	0.0022	0.0004	0.0005
GEOM. MEAN :	0.1217	0.0574	0.1163	0.0122	0.0098	0.0051	0.0011	0.0010
1ST QUARTILE :	0.0836	0.0334	0.0880	0.0098	0.0078	0.0042	0.0008	0.0008
2ND QUARTILE :	0.1232	0.0602	0.1105	0.0122	0.0107	0.0045	0.0012	0.0010
3RD QUARTILE :	0.1789	0.0852	0.1626	0.0166	0.0128	0.0068	0.0013	0.0013
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0576	0.00070	0.0014	10.8823	13.45	1.55
MINIMUM :	0.0135	0.00000	0.0003	0.8546	1.23	0.32
ARITH. MEAN :	0.0304	0.00040	0.0009	2.3677	5.99	1.03
ARITH. STD. DEV. :	0.0120	0.00022	0.0004	2.5449	2.93	0.35
GEOM. MEAN :	0.0282	0.00147	0.0008	1.7763	5.25	0.95
1ST QUARTILE :	0.0215	0.00030	0.0006	1.1872	4.42	0.75
2ND QUARTILE :	0.0269	0.00040	0.0007	1.4743	5.36	1.12
3RD QUARTILE :	0.0383	0.00060	0.0013	2.3175	7.04	1.27
MISSING VALUES :	0	0	0	0	0	0

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STATION: SMITHS FALLS LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	12	12	12	12	12	12	12	12
MAXIMUM :	20.238	5.538	0.2393	1.241	0.650	1.605	0.1521	1.1497
MINIMUM :	1.448	1.574	0.0712	0.175	0.241	0.159	0.0173	0.0764
ARITH. MEAN :	4.844	2.949	0.1302	0.437	0.406	0.410	0.0577	0.2538
ARITH. STD. DEV. :	5.231	1.107	0.0473	0.296	0.137	0.417	0.0370	0.3104
GEOM. MEAN :	3.288	2.767	0.1225	0.362	0.384	0.301	0.0488	0.1626
1ST QUARTILE :	1.773	2.060	0.0884	0.221	0.252	0.183	0.0366	0.0885
2ND QUARTILE :	2.619	2.672	0.1138	0.326	0.394	0.239	0.0495	0.1231
3RD QUARTILE :	4.722	3.476	0.1651	0.511	0.446	0.312	0.0562	0.1747
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	12	12	12	12	12	12	12	12
MAXIMUM :	0.0905	0.0673	0.1325	0.0210	0.0122	0.0049	0.0029	0.0053
MINIMUM :	0.0178	0.0126	0.0505	0.0029	0.0028	0.0008	0.0000	0.0004
ARITH. MEAN :	0.0541	0.0329	0.0928	0.0080	0.0064	0.0019	0.0009	0.0012
ARITH. STD. DEV. :	0.0237	0.0157	0.0315	0.0052	0.0032	0.0011	0.0009	0.0013
GEOM. MEAN :	0.0480	0.0292	0.0870	0.0067	0.0057	0.0017	0.0027	0.0008
1ST QUARTILE :	0.0328	0.0164	0.0555	0.0038	0.0036	0.0011	0.0003	0.0004
2ND QUARTILE :	0.0566	0.0320	0.0864	0.0066	0.0058	0.0014	0.0005	0.0005
3RD QUARTILE :	0.0729	0.0409	0.1262	0.0093	0.0064	0.0024	0.0012	0.0015
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	12	12	12	12	12	12
MAXIMUM :	0.0351	0.00060	0.0079	1.3538	11.97	1.35
MINIMUM :	0.0056	0.00000	0.0000	0.5868	1.42	0.29
ARITH. MEAN :	0.0127	0.00023	0.0010	0.8954	3.41	0.57
ARITH. STD. DEV. :	0.0076	0.00021	0.0021	0.2606	2.90	0.32
GEOM. MEAN :	0.0111	0.00193	0.0042	0.8598	2.69	0.49
1ST QUARTILE :	0.0078	0.00000	0.0000	0.6650	1.62	0.31
2ND QUARTILE :	0.0116	0.00015	0.0004	0.8327	2.27	0.42
3RD QUARTILE :	0.0131	0.00030	0.0006	1.0585	3.35	0.68
MISSING VALUES :	0	0	0	0	0	0

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STATION: GOLDEN LAKE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	9	9	9	9	9	9	9	9
MAXIMUM :	6.607	4.397	0.2491	0.603	0.345	0.350	0.2474	0.2219
MINIMUM :	0.910	2.670	0.0857	0.000	0.089	0.000	0.0424	0.0373
ARITH. MEAN :	2.890	3.566	0.1505	0.205	0.206	0.191	0.0857	0.1325
ARITH. STD. DEV. :	2.102	0.625	0.0666	0.214	0.073	0.107	0.0667	0.0593
GEOM. MEAN :	2.216	3.509	0.1370	0.188	0.192	0.262	0.0712	0.1165
1ST QUARTILE :	0.914	2.735	0.0872	0.037	0.171	0.130	0.0543	0.1029
2ND QUARTILE :	1.903	3.743	0.1254	0.075	0.194	0.186	0.0592	0.1058
3RD QUARTILE :	3.493	4.225	0.2482	0.426	0.239	0.289	0.0738	0.1999
MISSING VALUES :	1	2	2	2	2	2	2	2

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	9	9	9	9	9	9	9	9
MAXIMUM :	0.1238	0.0988	0.0862	0.0106	0.0055	0.0024	0.0012	0.0017
MINIMUM :	0.0146	0.0129	0.0249	0.0026	0.0022	0.0010	0.0000	0.0001
ARITH. MEAN :	0.0500	0.0371	0.0462	0.0062	0.0039	0.0017	0.0005	0.0006
ARITH. STD. DEV. :	0.0343	0.0261	0.0181	0.0026	0.0012	0.0005	0.0004	0.0005
GEOM. MEAN :	0.0396	0.0310	0.0433	0.0056	0.0038	0.0016	0.0057	0.0004
1ST QUARTILE :	0.0154	0.0234	0.0358	0.0032	0.0028	0.0010	0.0000	0.0003
2ND QUARTILE :	0.0447	0.0328	0.0418	0.0061	0.0036	0.0019	0.0006	0.0004
3RD QUARTILE :	0.0641	0.0336	0.0520	0.0078	0.0052	0.0021	0.0008	0.0010
MISSING VALUES :	2	2	2	2	2	2	2	2

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	9	9	9	9	9	9
MAXIMUM :	0.0144	0.00040	0.0013	1.3230	4.22	0.85
MINIMUM :	0.0064	0.00000	0.0000	0.3423	1.59	0.12
ARITH. MEAN :	0.0091	0.00019	0.0005	0.9972	2.77	0.36
ARITH. STD. DEV. :	0.0025	0.00012	0.0005	0.3113	0.92	0.27
GEOM. MEAN :	0.0088	0.00065	0.0053	0.9259	2.62	0.27
1ST QUARTILE :	0.0072	0.00010	0.0000	0.8887	2.01	0.14
2ND QUARTILE :	0.0083	0.00020	0.0004	1.0060	2.61	0.17
3RD QUARTILE :	0.0104	0.00030	0.0012	1.2870	3.84	0.67
MISSING VALUES :	2	2	2	2	2	2

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STATION: CLOYNE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	.	.	.	.	.	.	.	.
MINIMUM :	.	.	.	.	.	.	.	.
ARITH. MEAN :	.	.	.	.	.	.	.	.
ARITH. STD. DEV. :	.	.	.	.	.	.	.	.
GEOM. MEAN :	.	.	.	.	.	.	.	.
1ST QUARTILE :	.	.	.	.	.	.	.	.
2ND QUARTILE :	.	.	.	.	.	.	.	.
3RD QUARTILE :	.	.	.	.	.	.	.	.
MISSING VALUES :	3	3	3	3	3	3	3	3

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	.	.	.	.	.	.	.	.
MINIMUM :	.	.	.	.	.	.	.	.
ARITH. MEAN :	.	.	.	.	.	.	.	.
ARITH. STD. DEV. :	.	.	.	.	.	.	.	.
GEOM. MEAN :	.	.	.	.	.	.	.	.
1ST QUARTILE :	.	.	.	.	.	.	.	.
2ND QUARTILE :	.	.	.	.	.	.	.	.
3RD QUARTILE :	.	.	.	.	.	.	.	.
MISSING VALUES :	3	3	3	3	3	3	3	3

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	3	3	3	3	3	3
MAXIMUM :	.	.	.	.	.	.
MINIMUM :	.	.	.	.	.	.
ARITH. MEAN :	.	.	.	.	.	.
ARITH. STD. DEV. :	.	.	.	.	.	.
GEOM. MEAN :	.	.	.	.	.	.
1ST QUARTILE :	.	.	.	.	.	.
2ND QUARTILE :	.	.	.	.	.	.
3RD QUARTILE :	.	.	.	.	.	.
MISSING VALUES :	3	3	3	3	3	3

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STATION: PT. PETRE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	12	12	12	12	12	12	12	12
MAXIMUM :	8.102	7.918	0.4058	0.522	0.544	0.413	0.0781	0.4812
MINIMUM :	1.072	1.147	0.1152	0.239	0.140	0.134	0.0172	0.0768
ARITH. MEAN :	4.159	3.032	0.2606	0.422	0.290	0.248	0.0421	0.1770
ARITH. STD. DEV. :	2.322	2.020	0.1005	0.093	0.133	0.092	0.0218	0.1135
GEOM. MEAN :	3.499	2.530	0.2398	0.410	0.263	0.233	0.0366	0.1530
1ST QUARTILE :	2.279	1.483	0.1652	0.357	0.182	0.179	0.0204	0.1203
2ND QUARTILE :	3.234	2.353	0.2408	0.450	0.245	0.219	0.0369	0.1340
3RD QUARTILE :	7.152	3.741	0.3489	0.489	0.357	0.305	0.0543	0.1785
MISSING VALUES :	1	2	2	2	2	2	2	2

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	12	12	12	12	12	12	12	12
MAXIMUM :	0.0652	0.0438	0.0854	0.0129	0.0038	0.0075	0.0010	0.0012
MINIMUM :	0.0210	0.0115	0.0151	0.0016	0.0017	0.0007	0.0003	0.0003
ARITH. MEAN :	0.0458	0.0277	0.0439	0.0059	0.0029	0.0028	0.0007	0.0008
ARITH. STD. DEV. :	0.0142	0.0092	0.0179	0.0035	0.0008	0.0019	0.0002	0.0003
GEOM. MEAN :	0.0433	0.0260	0.0402	0.0049	0.0028	0.0022	0.0007	0.0007
1ST QUARTILE :	0.0385	0.0209	0.0332	0.0034	0.0020	0.0015	0.0006	0.0006
2ND QUARTILE :	0.0439	0.0277	0.0414	0.0054	0.0030	0.0022	0.0007	0.0008
3RD QUARTILE :	0.0601	0.0337	0.0535	0.0060	0.0038	0.0040	0.0008	0.0011
MISSING VALUES :	2	2	2	2	2	2	2	2

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	12	12	12	12	12	12
MAXIMUM :	0.0230	0.00130	0.0010	3.0957	5.35	0.93
MINIMUM :	0.0043	0.00000	0.0000	1.0171	0.92	0.35
ARITH. MEAN :	0.0114	0.00045	0.0005	1.5560	3.20	0.68
ARITH. STD. DEV. :	0.0053	0.00044	0.0003	0.6033	1.46	0.18
GEOM. MEAN :	0.0102	0.00072	0.0011	1.4642	2.82	0.66
1ST QUARTILE :	0.0087	0.00010	0.0003	1.1392	1.95	0.51
2ND QUARTILE :	0.0098	0.00030	0.0005	1.3656	3.01	0.71
3RD QUARTILE :	0.0151	0.00100	0.0007	1.7236	4.81	0.87
MISSING VALUES :	2	2	2	2	2	2

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STATION: MCKELLAR LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	11	11	11	11	11	11	11	11
MAXIMUM :	7.913	4.750	0.3172	0.475	0.325	0.488	0.0659	0.2546
MINIMUM :	0.059	0.054	0.0000	0.011	0.034	0.114	0.0024	0.0495
ARITH. MEAN :	3.893	2.496	0.1568	0.199	0.130	0.198	0.0317	0.1127
ARITH. STD. DEV. :	2.213	1.431	0.0869	0.131	0.081	0.109	0.0176	0.0560
GEOM. MEAN :	2.653	1.587	0.1812	0.142	0.108	0.177	0.0235	0.1016
1ST QUARTILE :	2.475	1.534	0.1134	0.125	0.069	0.129	0.0178	0.0802
2ND QUARTILE :	3.004	2.418	0.1671	0.170	0.103	0.147	0.0332	0.0901
3RD QUARTILE :	5.352	3.823	0.1870	0.269	0.191	0.223	0.0385	0.1422
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	11	11	11	11	11	11	11	11
MAXIMUM :	0.1324	0.1035	0.0722	0.0059	0.0054	0.0023	0.0015	0.0007
MINIMUM :	0.0074	0.0011	0.0036	0.0000	0.0002	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0484	0.0288	0.0307	0.0038	0.0023	0.0014	0.0004	0.0003
ARITH. STD. DEV. :	0.0330	0.0271	0.0186	0.0019	0.0014	0.0007	0.0005	0.0002
GEOM. MEAN :	0.0371	0.0161	0.0235	0.0055	0.0017	0.0025	0.0367	0.0014
1ST QUARTILE :	0.0211	0.0093	0.0174	0.0035	0.0013	0.0008	0.0000	0.0001
2ND QUARTILE :	0.0458	0.0270	0.0274	0.0041	0.0021	0.0017	0.0000	0.0003
3RD QUARTILE :	0.0630	0.0395	0.0425	0.0050	0.0030	0.0019	0.0008	0.0004
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	11	11	11	11	11	11
MAXIMUM :	0.0156	0.00020	0.0011	2.4427	4.76	0.79
MINIMUM :	0.0000	0.00000	0.0000	0.0000	0.05	0.01
ARITH. MEAN :	0.0066	0.00008	0.0004	1.1295	2.78	0.36
ARITH. STD. DEV. :	0.0044	0.00007	0.0004	0.6118	1.26	0.21
GEOM. MEAN :	0.0087	0.00323	0.0091	1.1242	1.98	0.25
1ST QUARTILE :	0.0019	0.00000	0.0000	1.0072	2.26	0.28
2ND QUARTILE :	0.0070	0.00010	0.0005	1.0956	2.81	0.34
3RD QUARTILE :	0.0098	0.00010	0.0007	1.1719	3.68	0.54
MISSING VALUES :	0	0	0	0	0	0

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STATION: KILLARNEY LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	8.673	4.828	0.2530	0.555	0.319	0.330	0.0536	0.1730
MINIMUM :	2.194	1.621	0.0863	0.107	0.077	0.095	0.0227	0.0725
ARITH. MEAN :	5.104	2.787	0.1554	0.275	0.150	0.177	0.0388	0.1141
ARITH. STD. DEV. :	2.096	0.881	0.0448	0.133	0.063	0.061	0.0101	0.0285
GEOM. MEAN :	4.629	2.657	0.1491	0.246	0.139	0.168	0.0373	0.1107
1ST QUARTILE :	2.461	1.925	0.1199	0.166	0.094	0.138	0.0259	0.0875
2ND QUARTILE :	5.367	2.633	0.1576	0.226	0.129	0.154	0.0391	0.1066
3RD QUARTILE :	6.678	3.183	0.1766	0.321	0.180	0.204	0.0462	0.1314
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1403	0.0944	0.0778	0.0080	0.0055	0.0040	0.0018	0.0010
MINIMUM :	0.0180	0.0107	0.0181	0.0043	0.0018	0.0013	0.0000	0.0001
ARITH. MEAN :	0.0499	0.0275	0.0359	0.0056	0.0027	0.0024	0.0007	0.0004
ARITH. STD. DEV. :	0.0303	0.0211	0.0145	0.0011	0.0009	0.0008	0.0006	0.0002
GEOM. MEAN :	0.0436	0.0232	0.0336	0.0055	0.0026	0.0023	0.0047	0.0003
1ST QUARTILE :	0.0289	0.0161	0.0277	0.0045	0.0019	0.0016	0.0000	0.0003
2ND QUARTILE :	0.0465	0.0209	0.0326	0.0054	0.0027	0.0024	0.0007	0.0003
3RD QUARTILE :	0.0506	0.0259	0.0372	0.0061	0.0029	0.0025	0.0010	0.0005
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0125	0.00040	0.0016	1.2320	5.17	0.71
MINIMUM :	0.0042	0.00000	0.0000	0.8456	2.11	0.23
ARITH. MEAN :	0.0077	0.00019	0.0008	1.0030	3.48	0.43
ARITH. STD. DEV. :	0.0026	0.00012	0.0004	0.1293	1.04	0.16
GEOM. MEAN :	0.0072	0.00086	0.0030	0.9949	3.32	0.40
1ST QUARTILE :	0.0056	0.00010	0.0005	0.8561	2.38	0.29
2ND QUARTILE :	0.0073	0.00020	0.0010	0.9953	3.27	0.36
3RD QUARTILE :	0.0093	0.00030	0.0011	1.0581	4.34	0.50
MISSING VALUES :	1	1	1	1	1	1

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STATION: MATTAWA LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	12	12	12	12	12	12	12	12
MAXIMUM :	5.880	4.164	0.2775	0.317	0.328	0.661	0.2062	0.3700
MINIMUM :	1.133	1.342	0.0530	0.036	0.059	0.078	0.0259	0.0737
ARITH. MEAN :	3.096	2.530	0.1223	0.157	0.151	0.186	0.0611	0.1354
ARITH. STD. DEV. :	1.518	0.786	0.0603	0.106	0.076	0.157	0.0475	0.0843
GEOM. MEAN :	2.697	2.404	0.1106	0.122	0.135	0.152	0.0515	0.1175
1ST QUARTILE :	1.443	2.005	0.0762	0.064	0.115	0.109	0.0396	0.0773
2ND QUARTILE :	3.139	2.751	0.1084	0.110	0.136	0.134	0.0493	0.0909
3RD QUARTILE :	4.577	3.063	0.1281	0.285	0.154	0.215	0.0561	0.1657
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	12	12	12	12	12	12	12	12
MAXIMUM :	0.2914	0.1700	0.0959	0.0063	0.0092	0.0095	0.0016	0.0007
MINIMUM :	0.0405	0.0132	0.0152	0.0027	0.0019	0.0009	0.0000	0.0000
ARITH. MEAN :	0.1191	0.0552	0.0488	0.0042	0.0045	0.0026	0.0006	0.0003
ARITH. STD. DEV. :	0.0742	0.0429	0.0240	0.0012	0.0019	0.0023	0.0005	0.0002
GEOM. MEAN :	0.0982	0.0419	0.0424	0.0040	0.0041	0.0021	0.0055	0.0013
1ST QUARTILE :	0.0495	0.0161	0.0247	0.0031	0.0027	0.0016	0.0000	0.0001
2ND QUARTILE :	0.0925	0.0466	0.0479	0.0045	0.0044	0.0018	0.0006	0.0004
3RD QUARTILE :	0.1744	0.0808	0.0695	0.0053	0.0053	0.0024	0.0010	0.0005
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	12	12	12	12	12	12
MAXIMUM :	0.0275	0.00050	0.0009	2.6828	3.68	0.59
MINIMUM :	0.0013	0.00000	0.0000	0.5483	1.06	0.09
ARITH. MEAN :	0.0096	0.00015	0.0004	1.0074	2.39	0.28
ARITH. STD. DEV. :	0.0064	0.00014	0.0003	0.5572	0.86	0.16
GEOM. MEAN :	0.0077	0.00077	0.0040	0.9122	2.23	0.24
1ST QUARTILE :	0.0065	0.00010	0.0000	0.7683	1.58	0.17
2ND QUARTILE :	0.0080	0.00010	0.0004	0.8631	2.27	0.19
3RD QUARTILE :	0.0117	0.00020	0.0006	0.9897	3.32	0.43
MISSING VALUES :	1	1	1	1	1	1

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STATION: GOWGANDA LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	7.961	3.070	0.2059	0.238	0.142	0.263	0.1160	0.2366
MINIMUM :	1.164	1.209	0.0602	0.032	0.061	0.068	0.0204	0.0652
ARITH. MEAN :	4.119	1.998	0.1251	0.141	0.105	0.145	0.0386	0.1318
ARITH. STD. DEV. :	2.189	0.592	0.0431	0.067	0.026	0.066	0.0276	0.0564
GEOM. MEAN :	3.504	1.914	0.1174	0.122	0.102	0.130	0.0327	0.1207
1ST QUARTILE :	1.887	1.375	0.0812	0.090	0.085	0.073	0.0236	0.0838
2ND QUARTILE :	4.175	1.902	0.1215	0.146	0.104	0.143	0.0264	0.1141
3RD QUARTILE :	4.688	2.163	0.1395	0.202	0.135	0.163	0.0357	0.1767
MISSING VALUES :	1	1	1	1	2	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.0862	0.0605	0.0426	0.0091	0.0028	0.0072	0.0043	0.0004
MINIMUM :	0.0156	0.0107	0.0171	0.0024	0.0012	0.0016	0.0000	0.0000
ARITH. MEAN :	0.0505	0.0272	0.0298	0.0048	0.0020	0.0030	0.0008	0.0001
ARITH. STD. DEV. :	0.0264	0.0152	0.0082	0.0017	0.0005	0.0015	0.0011	0.0001
GEOM. MEAN :	0.0428	0.0231	0.0286	0.0045	0.0019	0.0027	0.0025	0.0018
1ST QUARTILE :	0.0258	0.0116	0.0263	0.0036	0.0014	0.0021	0.0003	0.0000
2ND QUARTILE :	0.0450	0.0270	0.0299	0.0047	0.0021	0.0028	0.0005	0.0001
3RD QUARTILE :	0.0839	0.0408	0.0396	0.0050	0.0024	0.0033	0.0007	0.0002
MISSING VALUES :	2	2	2	2	2	2	2	2

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0101	0.00050	0.0011	2.0061	4.66	0.41
MINIMUM :	0.0031	0.00000	0.0000	0.5742	1.22	0.09
ARITH. MEAN :	0.0061	0.00021	0.0006	0.9723	2.73	0.27
ARITH. STD. DEV. :	0.0021	0.00016	0.0004	0.3389	1.15	0.10
GEOM. MEAN :	0.0058	0.00102	0.0025	0.9292	2.47	0.24
1ST QUARTILE :	0.0041	0.00010	0.0003	0.7927	1.35	0.16
2ND QUARTILE :	0.0055	0.00020	0.0007	0.8915	2.72	0.27
3RD QUARTILE :	0.0084	0.00040	0.0010	0.9971	3.16	0.35
MISSING VALUES :	2	2	2	1	1	1

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APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
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STATION: MOONBEAM LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	11	11	11	11	11	11	11	11
MAXIMUM :	3.487	2.295	0.0748	0.152	0.286	0.254	0.0379	0.1980
MINIMUM :	0.000	0.000	0.0000	0.000	0.024	0.106	0.0000	0.0347
ARITH. MEAN :	1.276	1.108	0.0376	0.079	0.140	0.169	0.0215	0.1182
ARITH. STD. DEV. :	1.124	0.736	0.0220	0.049	0.084	0.047	0.0113	0.0479
GEOM. MEAN :	1.232	1.211	0.0481	0.095	0.112	0.162	0.0308	0.1064
1ST QUARTILE :	0.526	0.593	0.0334	0.025	0.064	0.112	0.0179	0.0709
2ND QUARTILE :	1.057	1.134	0.0365	0.089	0.128	0.171	0.0232	0.1163
3RD QUARTILE :	1.554	1.631	0.0449	0.117	0.223	0.200	0.0298	0.1622
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	11	11	11	11	11	11	11	11
MAXIMUM :	0.0854	0.0643	0.0625	0.0041	0.0027	0.0035	0.0010	0.0002
MINIMUM :	0.0000	0.0006	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0285	0.0168	0.0311	0.0017	0.0016	0.0012	0.0003	0.0001
ARITH. STD. DEV. :	0.0263	0.0177	0.0195	0.0013	0.0008	0.0010	0.0003	0.0001
GEOM. MEAN :	0.0556	0.0092	0.0410	0.0011	0.0011	0.0050	0.0518	0.0003
1ST QUARTILE :	0.0096	0.0060	0.0205	0.0005	0.0010	0.0007	0.0000	0.0001
2ND QUARTILE :	0.0195	0.0101	0.0298	0.0014	0.0018	0.0009	0.0000	0.0001
3RD QUARTILE :	0.0435	0.0217	0.0507	0.0030	0.0022	0.0018	0.0005	0.0002
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	11	11	11	11	11	11
MAXIMUM :	0.0093	0.00040	0.0010	0.9410	2.29	0.23
MINIMUM :	0.0000	0.00000	0.0000	0.0000	0.01	0.01
ARITH. MEAN :	0.0042	0.00013	0.0003	0.5349	1.01	0.12
ARITH. STD. DEV. :	0.0033	0.00014	0.0004	0.3040	0.75	0.07
GEOM. MEAN :	0.0058	0.01578	0.0244	0.4700	0.47	0.09
1ST QUARTILE :	0.0014	0.00000	0.0000	0.4572	0.46	0.06
2ND QUARTILE :	0.0032	0.00010	0.0002	0.5357	0.92	0.14
3RD QUARTILE :	0.0073	0.00020	0.0005	0.7721	1.42	0.16
MISSING VALUES :	1	1	1	1	1	1

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STATION: TURKEY LAKES LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	4.635	3.725	0.2357	0.515	0.323	0.220	0.0458	0.1630
MINIMUM :	0.647	0.725	0.0576	0.031	0.033	0.043	0.0083	0.0686
ARITH. MEAN :	2.093	1.895	0.1193	0.172	0.130	0.130	0.0272	0.0987
ARITH. STD. DEV. :	1.154	0.841	0.0481	0.126	0.069	0.059	0.0111	0.0333
GEOM. MEAN :	1.815	1.708	0.1106	0.133	0.115	0.116	0.0246	0.0940
1ST QUARTILE :	1.148	1.165	0.0848	0.061	0.090	0.074	0.0188	0.0735
2ND QUARTILE :	1.894	1.801	0.1104	0.157	0.117	0.121	0.0264	0.0805
3RD QUARTILE :	2.428	2.603	0.1408	0.194	0.138	0.169	0.0325	0.1075
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1366	0.0944	0.0832	0.0052	0.0060	0.0026	0.0042	0.0007
MINIMUM :	0.0000	0.0063	0.0090	0.0009	0.0008	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0389	0.0231	0.0308	0.0026	0.0023	0.0013	0.0007	0.0002
ARITH. STD. DEV. :	0.0383	0.0236	0.0185	0.0012	0.0013	0.0007	0.0011	0.0002
GEOM. MEAN :	0.0411	0.0167	0.0265	0.0023	0.0020	0.0022	0.0146	0.0004
1ST QUARTILE :	0.0159	0.0096	0.0184	0.0014	0.0012	0.0009	0.0000	0.0001
2ND QUARTILE :	0.0186	0.0149	0.0279	0.0023	0.0020	0.0011	0.0004	0.0002
3RD QUARTILE :	0.0408	0.0208	0.0309	0.0031	0.0027	0.0014	0.0005	0.0003
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0099	0.00010	0.0009	1.1993	3.31	0.66
MINIMUM :	0.0022	0.00000	0.0000	0.5955	0.80	0.09
ARITH. MEAN :	0.0055	0.00006	0.0003	0.9078	1.68	0.29
ARITH. STD. DEV. :	0.0024	0.00005	0.0003	0.1903	0.73	0.15
GEOM. MEAN :	0.0050	0.00464	0.0222	0.8868	1.54	0.25
1ST QUARTILE :	0.0031	0.00000	0.0000	0.7341	1.17	0.17
2ND QUARTILE :	0.0059	0.00010	0.0002	0.8969	1.50	0.24
3RD QUARTILE :	0.0066	0.00010	0.0005	1.0561	1.73	0.36
MISSING VALUES :	1	1	1	1	1	1

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
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STATION: MOOSONEE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	11	11	11	11	11	11	11	11
MAXIMUM :	2.679	2.156	0.0535	0.115	1.598	0.603	0.0314	0.3664
MINIMUM :	0.000	0.286	0.0069	0.000	0.031	0.094	0.0084	0.1093
ARITH. MEAN :	0.898	1.120	0.0276	0.055	0.400	0.316	0.0195	0.2245
ARITH. STD. DEV. :	0.763	0.581	0.0148	0.035	0.449	0.167	0.0062	0.0766
GEOM. MEAN :	0.801	0.944	0.0231	0.071	0.216	0.266	0.0184	0.2116
1ST QUARTILE :	0.472	0.737	0.0154	0.033	0.078	0.155	0.0154	0.1639
2ND QUARTILE :	0.749	1.047	0.0235	0.052	0.261	0.309	0.0180	0.2073
3RD QUARTILE :	0.878	1.705	0.0389	0.080	0.493	0.415	0.0237	0.2594
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	11	11	11	11	11	11	11	11
MAXIMUM :	0.0618	0.0618	0.2450	0.0033	0.0032	0.0324	0.0077	0.0003
MINIMUM :	0.0000	0.0017	0.0210	0.0003	0.0006	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0309	0.0169	0.0747	0.0018	0.0014	0.0044	0.0009	0.0001
ARITH. STD. DEV. :	0.0200	0.0183	0.0613	0.0009	0.0009	0.0094	0.0023	0.0001
GEOM. MEAN :	0.0412	0.0098	0.0596	0.0015	0.0011	0.0076	0.0267	0.0128
1ST QUARTILE :	0.0161	0.0051	0.0389	0.0011	0.0008	0.0010	0.0000	0.0000
2ND QUARTILE :	0.0280	0.0082	0.0565	0.0020	0.0010	0.0014	0.0002	0.0001
3RD QUARTILE :	0.0513	0.0279	0.0706	0.0024	0.0015	0.0023	0.0004	0.0002
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	11	11	11	11	11	11
MAXIMUM :	0.0199	0.00150	0.0010	0.8427	1.75	0.16
MINIMUM :	0.0000	0.00000	0.0000	0.0604	0.12	0.02
ARITH. MEAN :	0.0046	0.00024	0.0003	0.5264	0.83	0.08
ARITH. STD. DEV. :	0.0053	0.00043	0.0003	0.2387	0.47	0.05
GEOM. MEAN :	0.0066	0.00249	0.0089	0.4267	0.65	0.07
1ST QUARTILE :	0.0022	0.00000	0.0000	0.4283	0.48	0.06
2ND QUARTILE :	0.0031	0.00010	0.0003	0.5973	0.77	0.08
3RD QUARTILE :	0.0047	0.00020	0.0003	0.7176	1.08	0.11
MISSING VALUES :	1	1	1	1	1	1

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STATION: MCFARLANE LAKE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	41.354	5.105	0.2230	0.452	0.362	1.704	0.1567	1.1530
MINIMUM :	2.964	1.649	0.1014	0.100	0.100	0.112	0.0187	0.0975
ARITH. MEAN :	18.858	3.197	0.1615	0.251	0.209	0.513	0.0536	0.3436
ARITH. STD. DEV. :	10.270	0.863	0.0349	0.120	0.078	0.518	0.0340	0.3522
GEOM. MEAN :	15.751	3.077	0.1576	0.225	0.195	0.335	0.0465	0.2241
1ST QUARTILE :	10.294	2.592	0.1263	0.145	0.135	0.180	0.0337	0.1034
2ND QUARTILE :	16.345	3.256	0.1633	0.199	0.197	0.228	0.0475	0.1608
3RD QUARTILE :	23.115	3.486	0.1909	0.322	0.274	0.646	0.0515	0.3566
MISSING VALUES :	1	1	1	1	2	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.3783	0.1744	0.1167	0.0241	0.0089	0.0239	0.0100	0.0009
MINIMUM :	0.0601	0.0220	0.0292	0.0078	0.0038	0.0055	0.0026	0.0001
ARITH. MEAN :	0.1858	0.0787	0.0680	0.0140	0.0068	0.0145	0.0051	0.0004
ARITH. STD. DEV. :	0.1042	0.0498	0.0303	0.0052	0.0015	0.0050	0.0019	0.0002
GEOM. MEAN :	0.1535	0.0613	0.0606	0.0132	0.0066	0.0134	0.0048	0.0003
1ST QUARTILE :	0.0696	0.0231	0.0340	0.0107	0.0056	0.0090	0.0036	0.0002
2ND QUARTILE :	0.1950	0.0802	0.0714	0.0116	0.0068	0.0148	0.0051	0.0004
3RD QUARTILE :	0.2892	0.1144	0.0958	0.0194	0.0085	0.0182	0.0062	0.0006
MISSING VALUES :	2	2	2	2	2	2	2	2

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0229	0.00100	0.0067	1.1915	22.05	0.67
MINIMUM :	0.0067	0.00000	0.0005	0.6267	2.64	0.22
ARITH. MEAN :	0.0134	0.00061	0.0027	0.9425	10.49	0.41
ARITH. STD. DEV. :	0.0039	0.00031	0.0018	0.1745	5.23	0.14
GEOM. MEAN :	0.0129	0.00115	0.0022	0.9254	9.16	0.39
1ST QUARTILE :	0.0114	0.00050	0.0015	0.7509	6.25	0.31
2ND QUARTILE :	0.0123	0.00060	0.0020	0.9555	9.24	0.33
3RD QUARTILE :	0.0161	0.00090	0.0032	1.0598	13.26	0.47
MISSING VALUES :	2	2	2	1	1	1

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STATION: HANMER-2 LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	29.843	4.664	0.2600	0.380	0.292	0.950	2.0816	0.4145
MINIMUM :	1.837	0.196	0.0600	0.023	0.031	0.081	0.0040	0.0369
ARITH. MEAN :	16.050	2.732	0.1579	0.192	0.138	0.238	0.2039	0.1454
ARITH. STD. DEV. :	7.835	1.052	0.0485	0.116	0.075	0.228	0.5663	0.0986
GEOM. MEAN :	13.287	2.298	0.1494	0.152	0.117	0.184	0.0409	0.1200
1ST QUARTILE :	9.643	2.350	0.1220	0.106	0.074	0.115	0.0260	0.0860
2ND QUARTILE :	16.641	2.643	0.1483	0.148	0.133	0.146	0.0358	0.0946
3RD QUARTILE :	19.259	3.248	0.1823	0.324	0.141	0.245	0.0409	0.1848
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM. UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.4814	0.4294	0.1068	0.0320	0.0094	0.0307	0.0097	0.0012
MINIMUM :	0.0000	0.0014	0.0000	0.0002	0.0002	0.0012	0.0000	0.0000
ARITH. MEAN :	0.1477	0.1032	0.0449	0.0124	0.0045	0.0124	0.0044	0.0004
ARITH. STD. DEV. :	0.1324	0.1172	0.0297	0.0073	0.0023	0.0074	0.0026	0.0003
GEOM. MEAN :	0.1472	0.0511	0.0555	0.0087	0.0035	0.0097	0.0066	0.0008
1ST QUARTILE :	0.0556	0.0195	0.0272	0.0089	0.0033	0.0078	0.0021	0.0003
2ND QUARTILE :	0.1091	0.0647	0.0362	0.0126	0.0039	0.0104	0.0041	0.0004
3RD QUARTILE :	0.1369	0.0894	0.0498	0.0143	0.0049	0.0142	0.0049	0.0004
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0204	0.00100	0.0046	1.5925	16.22	0.58
MINIMUM :	0.0005	0.00000	0.0000	0.7580	1.78	0.08
ARITH. MEAN :	0.0115	0.00053	0.0025	1.1245	8.94	0.35
ARITH. STD. DEV. :	0.0050	0.00032	0.0013	0.2259	4.17	0.16
GEOM. MEAN :	0.0091	0.00195	0.0040	1.1027	7.70	0.31
1ST QUARTILE :	0.0091	0.00010	0.0014	0.9374	5.45	0.27
2ND QUARTILE :	0.0106	0.00060	0.0024	1.1044	9.23	0.29
3RD QUARTILE :	0.0143	0.00070	0.0031	1.1522	10.42	0.54
MISSING VALUES :	1	1	1	1	1	1

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STATION: DORION LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	1.003	2.429	0.0715	0.176	0.271	0.260	0.1289	1.2592
MINIMUM :	0.207	0.225	0.0255	0.030	0.042	0.117	0.0095	0.0244
ARITH. MEAN :	0.555	1.007	0.0508	0.075	0.123	0.158	0.0414	0.1952
ARITH. STD. DEV. :	0.240	0.621	0.0136	0.045	0.076	0.038	0.0355	0.3089
GEOM. MEAN :	0.500	0.820	0.0488	0.063	0.101	0.154	0.0300	0.1192
1ST QUARTILE :	0.377	0.553	0.0440	0.038	0.055	0.135	0.0172	0.0922
2ND QUARTILE :	0.498	0.903	0.0504	0.058	0.087	0.154	0.0276	0.1087
3RD QUARTILE :	0.757	1.104	0.0627	0.118	0.184	0.165	0.0538	0.1419
MISSING VALUES :	0	0	0	0	0	0	2	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.0718	0.1498	0.1716	0.0045	0.0052	0.0446	0.0369	0.0005
MINIMUM :	0.0000	0.0009	0.0055	0.0000	0.0003	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0299	0.0326	0.0508	0.0012	0.0022	0.0063	0.0035	0.0002
ARITH. STD. DEV. :	0.0269	0.0413	0.0526	0.0013	0.0017	0.0121	0.0098	0.0002
GEOM. MEAN :	0.0693	0.0143	0.0297	0.0056	0.0015	0.0057	0.0079	0.0014
1ST QUARTILE :	0.0140	0.0077	0.0125	0.0002	0.0009	0.0006	0.0000	0.0001
2ND QUARTILE :	0.0171	0.0119	0.0295	0.0012	0.0014	0.0011	0.0004	0.0001
3RD QUARTILE :	0.0614	0.0479	0.0600	0.0017	0.0035	0.0020	0.0005	0.0003
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0246	0.00020	0.0006	0.6465	1.26	0.23
MINIMUM :	0.0000	0.00000	0.0000	0.0261	0.18	0.06
ARITH. MEAN :	0.0048	0.00008	0.0003	0.3539	0.61	0.13
ARITH. STD. DEV. :	0.0063	0.00008	0.0002	0.1594	0.28	0.05
GEOM. MEAN :	0.0048	0.00823	0.0040	0.2900	0.55	0.12
1ST QUARTILE :	0.0015	0.00000	0.0000	0.2687	0.47	0.10
2ND QUARTILE :	0.0022	0.00010	0.0002	0.3888	0.53	0.11
3RD QUARTILE :	0.0052	0.00010	0.0004	0.4338	0.82	0.15
MISSING VALUES :	0	0	0	0	0	0

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STATION: EAR FALLS LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	2.309	2.044	0.0824	0.120	0.152	0.350	0.0336	0.3163
MINIMUM :	1.099	1.630	0.0569	0.078	0.088	0.190	0.0194	0.1415
ARITH. MEAN :	1.846	1.768	0.0703	0.102	0.110	0.252	0.0243	0.2213
ARITH. STD. DEV. :	0.533	0.195	0.0105	0.018	0.030	0.070	0.0066	0.0722
GEOM. MEAN :	1.755	1.758	0.0695	0.100	0.106	0.243	0.0235	0.2098
1ST QUARTILE :	1.099	1.630	0.0569	0.078	0.088	0.190	0.0194	0.1415
2ND QUARTILE :	2.130	1.630	0.0716	0.109	0.090	0.216	0.0198	0.2062
3RD QUARTILE :	2.309	2.044	0.0824	0.120	0.152	0.350	0.0336	0.3163
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	3	3	3	3	3	3	3	3
MAXIMUM :	0.1073	0.0684	0.0435	0.0032	0.0028	0.0017	0.0011	0.0003
MINIMUM :	0.0119	0.0259	0.0190	0.0000	0.0021	0.0000	0.0006	0.0002
ARITH. MEAN :	0.0481	0.0406	0.0328	0.0019	0.0024	0.0008	0.0008	0.0002
ARITH. STD. DEV. :	0.0422	0.0196	0.0102	0.0014	0.0003	0.0007	0.0002	0.0000
GEOM. MEAN :	0.0318	0.0366	0.0310	0.0203	0.0023	0.0101	0.0008	0.0002
1ST QUARTILE :	0.0119	0.0259	0.0190	0.0000	0.0021	0.0000	0.0006	0.0002
2ND QUARTILE :	0.0252	0.0276	0.0360	0.0026	0.0022	0.0006	0.0007	0.0002
3RD QUARTILE :	0.1073	0.0684	0.0435	0.0032	0.0028	0.0017	0.0011	0.0003
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	3	3	3	3	3	3
MAXIMUM :	0.0059	0.00020	0.0037	0.6537	1.84	0.19
MINIMUM :	0.0029	0.00000	0.0012	0.5831	1.09	0.15
ARITH. MEAN :	0.0044	0.00010	0.0026	0.6200	1.51	0.17
ARITH. STD. DEV. :	0.0012	0.00008	0.0010	0.0289	0.31	0.02
GEOM. MEAN :	0.0042	0.00271	0.0023	0.6194	1.48	0.17
1ST QUARTILE :	0.0029	0.00000	0.0012	0.5831	1.09	0.15
2ND QUARTILE :	0.0044	0.00010	0.0028	0.6233	1.61	0.18
3RD QUARTILE :	0.0059	0.00020	0.0037	0.6537	1.84	0.19
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
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STATION: PICKLE LAKE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	2.885	1.859	0.1109	0.111	0.843	0.425	0.0451	0.3560
MINIMUM :	0.103	0.241	0.0303	0.019	0.045	0.121	0.0037	0.0680
ARITH. MEAN :	0.650	0.857	0.0423	0.053	0.253	0.187	0.0193	0.1463
ARITH. STD. DEV. :	0.716	0.560	0.0209	0.030	0.219	0.083	0.0135	0.0793
GEOM. MEAN :	0.416	0.687	0.0392	0.045	0.177	0.174	0.0148	0.1297
1ST QUARTILE :	0.232	0.432	0.0328	0.031	0.110	0.140	0.0086	0.0919
2ND QUARTILE :	0.405	0.634	0.0345	0.047	0.190	0.151	0.0147	0.1089
3RD QUARTILE :	0.862	1.118	0.0368	0.066	0.325	0.186	0.0250	0.1923
MISSING VALUES :	0	0	0	0	0	0	1	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.3162	0.2459	0.2108	0.0060	0.0068	0.0082	0.0042	0.0006
MINIMUM :	0.0000	0.0057	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0888	0.0494	0.0578	0.0020	0.0024	0.0021	0.0010	0.0001
ARITH. STD. DEV. :	0.0889	0.0637	0.0531	0.0015	0.0017	0.0021	0.0010	0.0002
GEOM. MEAN :	0.0753	0.0271	0.0572	0.0051	0.0019	0.0026	0.0030	0.0050
1ST QUARTILE :	0.0284	0.0148	0.0222	0.0008	0.0012	0.0008	0.0006	0.0000
2ND QUARTILE :	0.0762	0.0231	0.0426	0.0020	0.0020	0.0014	0.0009	0.0001
3RD QUARTILE :	0.0928	0.0452	0.0779	0.0026	0.0024	0.0024	0.0011	0.0002
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0247	0.01400	0.0007	0.9007	2.03	0.15
MINIMUM :	0.0000	0.00000	0.0000	0.0791	0.14	0.05
ARITH. MEAN :	0.0039	0.00113	0.0002	0.3360	0.61	0.09
ARITH. STD. DEV. :	0.0062	0.00372	0.0003	0.2578	0.50	0.04
GEOM. MEAN :	0.0033	0.02319	0.0510	0.2519	0.47	0.09
1ST QUARTILE :	0.0007	0.00000	0.0000	0.1281	0.27	0.06
2ND QUARTILE :	0.0020	0.00000	0.0000	0.2282	0.48	0.09
3RD QUARTILE :	0.0035	0.00010	0.0004	0.4199	0.77	0.13
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: QUETICO CENTRE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	2.243	2.906	0.0895	0.250	0.253	0.176	0.0574	0.2809
MINIMUM :	0.288	0.723	0.0403	0.035	0.074	0.087	0.0155	0.0731
ARITH. MEAN :	0.914	1.458	0.0583	0.116	0.147	0.139	0.0345	0.1295
ARITH. STD. DEV. :	0.558	0.595	0.0141	0.065	0.057	0.031	0.0130	0.0535
GEOM. MEAN :	0.755	1.349	0.0567	0.100	0.136	0.135	0.0320	0.1208
1ST QUARTILE :	0.390	0.994	0.0457	0.078	0.099	0.113	0.0233	0.0913
2ND QUARTILE :	0.987	1.322	0.0521	0.100	0.131	0.148	0.0342	0.1033
3RD QUARTILE :	1.031	1.726	0.0667	0.119	0.207	0.167	0.0437	0.1554
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1659	0.0557	0.0557	0.0026	0.0054	0.0034	0.0028	0.0002
MINIMUM :	0.0141	0.0109	0.0166	0.0000	0.0012	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0547	0.0309	0.0362	0.0015	0.0030	0.0010	0.0006	0.0001
ARITH. STD. DEV. :	0.0366	0.0134	0.0128	0.0007	0.0012	0.0009	0.0007	0.0001
GEOM. MEAN :	0.0458	0.0278	0.0338	0.0023	0.0028	0.0029	0.0033	0.0003
1ST QUARTILE :	0.0300	0.0188	0.0265	0.0009	0.0022	0.0006	0.0003	0.0001
2ND QUARTILE :	0.0487	0.0330	0.0341	0.0016	0.0027	0.0008	0.0004	0.0001
3RD QUARTILE :	0.0658	0.0403	0.0445	0.0020	0.0038	0.0010	0.0006	0.0002
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0062	0.00010	0.0010	0.8408	1.63	0.30
MINIMUM :	0.0009	0.00000	0.0002	0.1754	0.39	0.08
ARITH. MEAN :	0.0035	0.00005	0.0006	0.4293	0.94	0.17
ARITH. STD. DEV. :	0.0015	0.00005	0.0002	0.1765	0.39	0.06
GEOM. MEAN :	0.0031	0.01425	0.0005	0.3921	0.86	0.16
1ST QUARTILE :	0.0025	0.00000	0.0004	0.2544	0.61	0.15
2ND QUARTILE :	0.0032	0.00000	0.0006	0.4781	0.90	0.15
3RD QUARTILE :	0.0050	0.00010	0.0006	0.5063	1.23	0.21
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: E.L.A. LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	7	7	7	7	7	7	7	7
MAXIMUM :	0.888	1.579	0.0751	0.236	0.285	0.262	0.1717	8.3854
MINIMUM :	0.182	0.600	0.0211	0.073	0.096	0.115	0.0241	0.0753
ARITH. MEAN :	0.463	1.026	0.0485	0.120	0.168	0.164	0.0502	1.8858
ARITH. STD. DEV. :	0.210	0.294	0.0161	0.053	0.063	0.049	0.0503	3.0349
GEOM. MEAN :	0.419	0.985	0.0454	0.111	0.157	0.157	0.0373	0.3680
1ST QUARTILE :	0.341	0.845	0.0384	0.082	0.116	0.126	0.0243	0.0891
2ND QUARTILE :	0.413	0.940	0.0509	0.090	0.146	0.136	0.0252	0.1337
3RD QUARTILE :	0.611	1.269	0.0585	0.149	0.229	0.197	0.0493	2.4974
MISSING VALUES :	0	0	0	0	0	0	0	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	7	7	7	7	7	7	7	7
MAXIMUM :	0.0971	0.0790	0.0712	0.0179	0.0054	0.0830	0.0014	0.0003
MINIMUM :	0.0095	0.0118	0.0354	0.0000	0.0015	0.0002	0.0000	0.0000
ARITH. MEAN :	0.0439	0.0338	0.0455	0.0037	0.0029	0.0146	0.0004	0.0001
ARITH. STD. DEV. :	0.0257	0.0245	0.0135	0.0059	0.0015	0.0283	0.0005	0.0001
GEOM. MEAN :	0.0362	0.0264	0.0438	0.0040	0.0025	0.0021	0.0505	0.0016
1ST QUARTILE :	0.0276	0.0151	0.0354	0.0001	0.0016	0.0005	0.0000	0.0000
2ND QUARTILE :	0.0417	0.0191	0.0378	0.0013	0.0023	0.0007	0.0000	0.0001
3RD QUARTILE :	0.0567	0.0619	0.0615	0.0037	0.0048	0.0139	0.0010	0.0001
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	7	7	7	7	7	7
MAXIMUM :	0.0753	0.00080	0.0010	0.4673	0.74	0.27
MINIMUM :	0.0019	0.00000	0.0000	0.1525	0.38	0.12
ARITH. MEAN :	0.0146	0.00024	0.0004	0.3010	0.57	0.17
ARITH. STD. DEV. :	0.0250	0.00027	0.0003	0.1155	0.14	0.05
GEOM. MEAN :	0.0056	0.00063	0.0012	0.2781	0.56	0.16
1ST QUARTILE :	0.0030	0.00010	0.0002	0.1880	0.44	0.13
2ND QUARTILE :	0.0032	0.00010	0.0003	0.3010	0.50	0.15
3RD QUARTILE :	0.0123	0.00050	0.0006	0.4389	0.73	0.21
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: GERALDTON LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	1.388	2.737	0.0870	0.189	0.521	0.262	0.0387	0.1677
MINIMUM :	0.165	0.443	0.0300	0.025	0.051	0.100	0.0043	0.0811
ARITH. MEAN :	0.635	1.038	0.0477	0.080	0.209	0.158	0.0205	0.1203
ARITH. STD. DEV. :	0.393	0.581	0.0137	0.043	0.158	0.040	0.0084	0.0264
GEOM. MEAN :	0.517	0.910	0.0460	0.070	0.159	0.153	0.0183	0.1175
1ST QUARTILE :	0.355	0.614	0.0403	0.057	0.094	0.131	0.0171	0.0991
2ND QUARTILE :	0.447	1.102	0.0474	0.071	0.130	0.157	0.0190	0.1175
3RD QUARTILE :	1.022	1.231	0.0518	0.078	0.303	0.167	0.0205	0.1394
MISSING VALUES :	0	0	0	0	0	0	1	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	13	13	13	13	13	13	13	13
MAXIMUM :	0.1156	0.0361	0.0962	0.0018	0.0034	0.0011	0.0052	0.0002
MINIMUM :	0.0000	0.0055	0.0101	0.0000	0.0006	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0310	0.0163	0.0403	0.0007	0.0015	0.0006	0.0006	0.0001
ARITH. STD. DEV. :	0.0299	0.0104	0.0286	0.0006	0.0009	0.0003	0.0014	0.0001
GEOM. MEAN :	0.0340	0.0132	0.0314	0.0078	0.0013	0.0020	0.0349	0.0005
1ST QUARTILE :	0.0171	0.0067	0.0189	0.0000	0.0009	0.0005	0.0000	0.0001
2ND QUARTILE :	0.0227	0.0145	0.0294	0.0006	0.0012	0.0007	0.0000	0.0001
3RD QUARTILE :	0.0304	0.0214	0.0606	0.0012	0.0020	0.0008	0.0005	0.0001
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	13	13	13	13	13	13
MAXIMUM :	0.0060	0.00010	0.0007	0.6907	1.42	0.25
MINIMUM :	0.0002	0.00000	0.0000	0.1571	0.24	0.06
ARITH. MEAN :	0.0024	0.00005	0.0002	0.3742	0.66	0.13
ARITH. STD. DEV. :	0.0015	0.00005	0.0002	0.1492	0.33	0.05
GEOM. MEAN :	0.0019	0.01425	0.0240	0.3447	0.59	0.12
1ST QUARTILE :	0.0016	0.00000	0.0000	0.2964	0.43	0.10
2ND QUARTILE :	0.0020	0.00000	0.0000	0.3455	0.60	0.12
3RD QUARTILE :	0.0031	0.00010	0.0002	0.4071	0.67	0.13
MISSING VALUES :	0	0	0	0	0	0

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

STATION: WOLF RIDGE LOVOL SITE NO.1

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	2	2	2	2	2	2	2	2
MAXIMUM :	1.384	1.391	0.1338	0.345	0.421	0.204	0.0459	0.8803
MINIMUM :	0.734	0.986	0.0753	0.217	0.062	0.170	0.0153	0.1117
ARITH. MEAN :	1.059	1.189	0.1046	0.281	0.242	0.187	0.0306	0.4960
ARITH. STD. DEV. :	0.325	0.203	0.0293	0.064	0.180	0.017	0.0153	0.3843
GEOM. MEAN :	1.007	1.171	0.1004	0.274	0.162	0.186	0.0265	0.3136
1ST QUARTILE :	0.734	0.986	0.0753	0.217	0.062	0.170	0.0153	0.1117
2ND QUARTILE :	1.059	1.189	0.1046	0.281	0.242	0.187	0.0306	0.4960
3RD QUARTILE :	1.384	1.391	0.1338	0.345	0.421	0.204	0.0459	0.8803
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	2	2	2	2	2	2	2	2
MAXIMUM :	0.1914	0.1098	0.1187	0.0040	0.0117	0.0015	0.0009	0.0003
MINIMUM :	0.0505	0.0077	0.0153	0.0012	0.0011	0.0006	0.0000	0.0000
ARITH. MEAN :	0.1210	0.0588	0.0670	0.0026	0.0064	0.0011	0.0005	0.0002
ARITH. STD. DEV. :	0.0704	0.0511	0.0517	0.0014	0.0053	0.0005	0.0005	0.0002
GEOM. MEAN :	0.0983	0.0291	0.0426	0.0022	0.0036	0.0009	0.0300	0.0173
1ST QUARTILE :	0.0505	0.0077	0.0153	0.0012	0.0011	0.0006	0.0000	0.0000
2ND QUARTILE :	0.1210	0.0588	0.0670	0.0026	0.0064	0.0011	0.0005	0.0002
3RD QUARTILE :	0.1914	0.1098	0.1187	0.0040	0.0117	0.0015	0.0009	0.0003
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	2	2	2	2	2	2
MAXIMUM :	0.0084	0.00010	0.0010	1.0165	1.16	0.42
MINIMUM :	0.0028	0.00000	0.0004	0.6586	0.70	0.35
ARITH. MEAN :	0.0056	0.00005	0.0007	0.8376	0.93	0.39
ARITH. STD. DEV. :	0.0028	0.00005	0.0003	0.1790	0.23	0.03
GEOM. MEAN :	0.0048	0.01000	0.0006	0.8182	0.90	0.38
1ST QUARTILE :	0.0028	0.00000	0.0004	0.6586	0.70	0.35
2ND QUARTILE :	0.0056	0.00005	0.0007	0.8376	0.93	0.39
3RD QUARTILE :	0.0084	0.00010	0.0010	1.0165	1.16	0.42
MISSING VALUES :	0	0	0	0	0	0

PART IV

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY REGION

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

REGION: CE

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	53	53	53	53	53	53	53	53
MAXIMUM :	24.234	7.114	0.4192	1.371	6.072	1.369	0.2001	2.4270
MINIMUM :	0.000	0.138	0.0539	0.000	0.022	0.101	0.0000	0.0881
ARITH. MEAN :	5.708	3.581	0.1630	0.511	0.631	0.345	0.0580	0.3337
ARITH. STD. DEV. :	4.274	1.869	0.0793	0.336	0.889	0.248	0.0378	0.4329
GEOM. MEAN :	4.456	2.995	0.1458	0.424	0.359	0.284	0.0522	0.2158
1ST QUARTILE :	2.978	2.068	0.1119	0.239	0.169	0.184	0.0318	0.1194
2ND QUARTILE :	4.998	3.075	0.1484	0.413	0.405	0.274	0.0461	0.1777
3RD QUARTILE :	7.508	4.995	0.2130	0.797	0.752	0.461	0.0756	0.2610
MISSING VALUES :	2	2	2	2	2	2	2	2

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	53	53	53	53	53	53	53	53
MAXIMUM :	0.4146	0.3267	0.2879	0.0273	0.0182	0.0102	0.0207	0.0024
MINIMUM :	0.0109	0.0035	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000
ARITH. MEAN :	0.1005	0.0617	0.0796	0.0074	0.0062	0.0034	0.0012	0.0007
ARITH. STD. DEV. :	0.0881	0.0636	0.0599	0.0052	0.0040	0.0025	0.0028	0.0005
GEOM. MEAN :	0.0721	0.0409	0.0652	0.0077	0.0048	0.0030	0.0024	0.0011
1ST QUARTILE :	0.0417	0.0250	0.0306	0.0040	0.0026	0.0016	0.0005	0.0004
2ND QUARTILE :	0.0669	0.0363	0.0713	0.0063	0.0055	0.0025	0.0008	0.0006
3RD QUARTILE :	0.1376	0.0831	0.1105	0.0102	0.0090	0.0044	0.0012	0.0009
MISSING VALUES :	2	2	2	2	2	2	2	2

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	53	53	53	53	53	53
MAXIMUM :	0.0576	0.00080	0.0014	10.8823	13.45	1.55
MINIMUM :	0.0000	0.00000	0.0000	0.4985	0.22	0.15
ARITH. MEAN :	0.0153	0.00025	0.0007	1.3728	4.05	0.67
ARITH. STD. DEV. :	0.0117	0.00019	0.0003	1.4351	2.26	0.36
GEOM. MEAN :	0.0148	0.00064	0.0011	1.1513	3.39	0.58
1ST QUARTILE :	0.0083	0.00010	0.0005	0.8546	2.82	0.39
2ND QUARTILE :	0.0116	0.00020	0.0006	1.0588	3.81	0.60
3RD QUARTILE :	0.0201	0.00030	0.0009	1.2989	4.99	0.97
MISSING VALUES :	2	2	2	2	2	2

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

REGION: NE

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	110	110	110	110	110	110	110	110
MAXIMUM :	41.354	5.105	0.3172	0.555	1.598	1.704	2.0816	1.1530
MINIMUM :	0.000	0.000	0.0000	0.000	0.024	0.043	0.0000	0.0347
ARITH. MEAN :	6.405	2.244	0.1211	0.173	0.170	0.231	0.0566	0.1584
ARITH. STD. DEV. :	7.838	1.124	0.0678	0.125	0.177	0.243	0.2033	0.1546
GEOM. MEAN :	3.447	1.900	0.1039	0.139	0.132	0.177	0.0327	0.1273
1ST QUARTILE :	1.526	1.475	0.0663	0.081	0.090	0.114	0.0236	0.0850
2ND QUARTILE :	3.146	2.153	0.1218	0.148	0.130	0.161	0.0320	0.1094
3RD QUARTILE :	7.704	3.020	0.1698	0.227	0.189	0.226	0.0458	0.1730
MISSING VALUES :	8	8	8	8	10	8	8	8

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	110	110	110	110	110	110	110	110
MAXIMUM :	0.4814	0.4294	0.2450	0.0320	0.0094	0.0324	0.0100	0.0012
MINIMUM :	0.0000	0.0006	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0787	0.0427	0.0435	0.0058	0.0032	0.0048	0.0016	0.0003
ARITH. STD. DEV. :	0.0864	0.0572	0.0323	0.0054	0.0022	0.0065	0.0023	0.0002
GEOM. MEAN :	0.0629	0.0234	0.0388	0.0041	0.0024	0.0041	0.0101	0.0009
1ST QUARTILE :	0.0254	0.0118	0.0263	0.0024	0.0018	0.0013	0.0000	0.0001
2ND QUARTILE :	0.0506	0.0233	0.0340	0.0045	0.0027	0.0021	0.0005	0.0002
3RD QUARTILE :	0.0862	0.0466	0.0507	0.0063	0.0039	0.0040	0.0016	0.0004
MISSING VALUES :	10	10	10	10	10	10	10	10

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	110	110	110	110	110	110
MAXIMUM :	0.0275	0.00150	0.0067	2.6828	22.05	0.79
MINIMUM :	0.0000	0.00000	0.0000	0.0000	0.01	0.01
ARITH. MEAN :	0.0078	0.00025	0.0009	0.9169	3.95	0.29
ARITH. STD. DEV. :	0.0051	0.00029	0.0012	0.3990	4.11	0.18
GEOM. MEAN :	0.0074	0.00208	0.0060	0.8388	2.33	0.23
1ST QUARTILE :	0.0041	0.00000	0.0000	0.7509	1.37	0.16
2ND QUARTILE :	0.0069	0.00010	0.0006	0.9059	2.62	0.28
3RD QUARTILE :	0.0099	0.00030	0.0011	1.0956	4.62	0.38
MISSING VALUES :	10	10	10	8	8	8

ONTARIO MINISTRY OF ENVIRONMENT & ENERGY
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

REGION: NW

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	62	62	62	62	62	62	62	62
MAXIMUM :	2.885	2.906	0.1109	0.250	0.843	0.425	0.1717	8.3854
MINIMUM :	0.103	0.225	0.0211	0.019	0.042	0.087	0.0037	0.0244
ARITH. MEAN :	0.719	1.116	0.0506	0.086	0.178	0.165	0.0311	0.3224
ARITH. STD. DEV. :	0.567	0.606	0.0172	0.053	0.142	0.059	0.0275	1.0937
GEOM. MEAN :	0.550	0.950	0.0480	0.072	0.140	0.157	0.0241	0.1394
1ST QUARTILE :	0.352	0.634	0.0368	0.047	0.088	0.127	0.0178	0.0922
2ND QUARTILE :	0.558	1.013	0.0488	0.077	0.132	0.155	0.0240	0.1195
3RD QUARTILE :	1.003	1.520	0.0585	0.111	0.224	0.176	0.0366	0.1477
MISSING VALUES :	0	0	0	0	0	0	4	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	62	62	62	62	62	62	62	62
MAXIMUM :	0.3162	0.2459	0.2108	0.0179	0.0068	0.0830	0.0369	0.0006
MINIMUM :	0.0000	0.0009	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000
ARITH. MEAN :	0.0501	0.0329	0.0455	0.0016	0.0023	0.0038	0.0013	0.0001
ARITH. STD. DEV. :	0.0540	0.0384	0.0384	0.0024	0.0015	0.0119	0.0047	0.0001
GEOM. MEAN :	0.0498	0.0207	0.0371	0.0050	0.0019	0.0031	0.0080	0.0010
1ST QUARTILE :	0.0171	0.0114	0.0215	0.0005	0.0012	0.0005	0.0000	0.0001
2ND QUARTILE :	0.0305	0.0203	0.0360	0.0013	0.0021	0.0008	0.0005	0.0001
3RD QUARTILE :	0.0685	0.0396	0.0557	0.0020	0.0032	0.0017	0.0008	0.0002
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	62	62	62	62	62	62
MAXIMUM :	0.0753	0.01400	0.0037	0.9007	2.03	0.30
MINIMUM :	0.0000	0.00000	0.0000	0.0261	0.14	0.05
ARITH. MEAN :	0.0049	0.00030	0.0004	0.3771	0.73	0.14
ARITH. STD. DEV. :	0.0100	0.00176	0.0006	0.1912	0.42	0.06
GEOM. MEAN :	0.0034	0.00913	0.0055	0.3211	0.62	0.12
1ST QUARTILE :	0.0017	0.00000	0.0000	0.2282	0.43	0.09
2ND QUARTILE :	0.0030	0.00010	0.0003	0.3527	0.63	0.13
3RD QUARTILE :	0.0044	0.00010	0.0006	0.5022	0.90	0.16
MISSING VALUES :	0	0	0	0	0	0

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APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

REGION: SE

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	37	37	37	37	37	37	37	37
MAXIMUM :	20.238	7.918	0.4058	1.241	0.703	1.605	0.2474	1.1497
MINIMUM :	0.910	1.147	0.0712	0.000	0.089	0.000	0.0172	0.0373
ARITH. MEAN :	4.389	3.157	0.1830	0.391	0.331	0.319	0.0612	0.2075
ARITH. STD. DEV. :	4.054	1.424	0.0944	0.254	0.160	0.304	0.0462	0.2205
GEOM. MEAN :	3.181	2.874	0.1614	0.333	0.294	0.276	0.0500	0.1528
1ST QUARTILE :	1.773	2.094	0.1084	0.230	0.194	0.182	0.0366	0.1011
2ND QUARTILE :	2.917	2.824	0.1630	0.405	0.283	0.226	0.0543	0.1340
3RD QUARTILE :	5.907	3.799	0.2482	0.511	0.425	0.312	0.0681	0.1999
MISSING VALUES :	5	7	7	7	7	7	7	7

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	37	37	37	37	37	37	37	37
MAXIMUM :	0.1238	0.0988	0.1325	0.0210	0.0158	0.0075	0.0029	0.0053
MINIMUM :	0.0146	0.0115	0.0151	0.0016	0.0017	0.0007	0.0000	0.0001
ARITH. MEAN :	0.0516	0.0334	0.0654	0.0070	0.0050	0.0022	0.0008	0.0010
ARITH. STD. DEV. :	0.0251	0.0186	0.0337	0.0043	0.0033	0.0014	0.0006	0.0011
GEOM. MEAN :	0.0453	0.0293	0.0571	0.0059	0.0042	0.0019	0.0020	0.0007
1ST QUARTILE :	0.0364	0.0209	0.0389	0.0036	0.0029	0.0012	0.0004	0.0004
2ND QUARTILE :	0.0467	0.0302	0.0528	0.0060	0.0038	0.0019	0.0007	0.0007
3RD QUARTILE :	0.0641	0.0381	0.0863	0.0093	0.0055	0.0026	0.0010	0.0011
MISSING VALUES :	7	7	7	7	7	7	7	7

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	37	37	37	37	37	37
MAXIMUM :	0.0351	0.00130	0.0079	3.0957	11.97	1.35
MINIMUM :	0.0043	0.00000	0.0000	0.3423	0.92	0.12
ARITH. MEAN :	0.0121	0.00030	0.0007	1.1610	3.35	0.57
ARITH. STD. DEV. :	0.0074	0.00032	0.0014	0.5123	2.26	0.31
GEOM. MEAN :	0.0106	0.00103	0.0027	1.0652	2.82	0.48
1ST QUARTILE :	0.0078	0.00010	0.0003	0.8409	1.79	0.31
2ND QUARTILE :	0.0100	0.00020	0.0005	1.0989	2.60	0.56
3RD QUARTILE :	0.0137	0.00040	0.0007	1.3435	4.22	0.78
MISSING VALUES :	7	7	7	7	7	7

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REGION: SW

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	70	70	70	70	70	70	70	70
MAXIMUM :	43.697	16.440	1.5582	3.479	1.620	2.526	0.2430	4.5140
MINIMUM :	1.662	1.035	0.0788	0.291	0.186	0.000	0.0000	0.0614
ARITH. MEAN :	7.589	4.286	0.2292	0.764	0.511	0.414	0.0568	0.2698
ARITH. STD. DEV. :	5.864	2.276	0.1858	0.412	0.293	0.299	0.0376	0.5621
GEOM. MEAN :	6.153	3.849	0.1971	0.695	0.451	0.378	0.0528	0.1646
1ST QUARTILE :	3.570	2.974	0.1401	0.537	0.330	0.285	0.0385	0.0970
2ND QUARTILE :	6.190	3.849	0.1892	0.723	0.418	0.374	0.0503	0.1348
3RD QUARTILE :	9.843	5.117	0.2677	0.904	0.605	0.468	0.0672	0.2148
MISSING VALUES :	1	1	1	1	1	1	1	1

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	70	70	70	70	70	70	70	70
MAXIMUM :	0.3280	0.2015	0.4003	0.0372	0.0172	0.0251	0.0038	0.0038
MINIMUM :	0.0238	0.0063	0.0347	0.0006	0.0019	0.0000	0.0000	0.0001
ARITH. MEAN :	0.0912	0.0560	0.1036	0.0084	0.0060	0.0026	0.0009	0.0009
ARITH. STD. DEV. :	0.0604	0.0421	0.0584	0.0048	0.0028	0.0035	0.0007	0.0006
GEOM. MEAN :	0.0768	0.0439	0.0920	0.0073	0.0054	0.0048	0.0024	0.0008
1ST QUARTILE :	0.0553	0.0263	0.0674	0.0056	0.0039	0.0010	0.0005	0.0005
2ND QUARTILE :	0.0774	0.0409	0.0868	0.0075	0.0057	0.0020	0.0008	0.0009
3RD QUARTILE :	0.1048	0.0731	0.1160	0.0108	0.0072	0.0030	0.0012	0.0011
MISSING VALUES :	1	1	1	1	1	1	1	1

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	70	70	70	70	70	70
MAXIMUM :	0.0762	0.00070	0.0029	5.0415	27.33	5.04
MINIMUM :	0.0047	0.00000	0.0000	0.5063	1.55	0.43
ARITH. MEAN :	0.0200	0.00027	0.0007	1.2114	5.22	0.99
ARITH. STD. DEV. :	0.0120	0.00020	0.0005	0.6412	3.35	0.58
GEOM. MEAN :	0.0170	0.00100	0.0014	1.1162	4.59	0.90
1ST QUARTILE :	0.0119	0.00010	0.0004	0.8938	2.95	0.71
2ND QUARTILE :	0.0168	0.00020	0.0006	1.0663	4.91	0.94
3RD QUARTILE :	0.0268	0.00040	0.0009	1.3489	6.47	1.20
MISSING VALUES :	1	1	1	1	1	1

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APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
1990 SUMMARY STATISTICS OF CONCENTRATION

REGION: Z

	SULFUR.DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	SODIUM UG/M3
# OF SAMPLES :	2	2	2	2	2	2	2	2
MAXIMUM :	1.384	1.391	0.1338	0.345	0.421	0.204	0.0459	0.8803
MINIMUM :	0.734	0.986	0.0753	0.217	0.062	0.170	0.0153	0.1117
ARITH. MEAN :	1.059	1.189	0.1046	0.281	0.242	0.187	0.0306	0.4960
ARITH. STD. DEV. :	0.325	0.203	0.0293	0.064	0.180	0.017	0.0153	0.3843
GEOM. MEAN :	1.007	1.171	0.1004	0.274	0.162	0.186	0.0265	0.3136
1ST QUARTILE :	0.734	0.986	0.0753	0.217	0.062	0.170	0.0153	0.1117
2ND QUARTILE :	1.059	1.189	0.1046	0.281	0.242	0.187	0.0306	0.4960
3RD QUARTILE :	1.384	1.391	0.1338	0.345	0.421	0.204	0.0459	0.8803
MISSING VALUES :	0	0	0	0	0	0	0	0

	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3	NICKEL UG/M3	VANADIUM UG/M3
# OF SAMPLES :	2	2	2	2	2	2	2	2
MAXIMUM :	0.1914	0.1098	0.1187	0.0040	0.0117	0.0015	0.0009	0.0003
MINIMUM :	0.0505	0.0077	0.0153	0.0012	0.0011	0.0006	0.0000	0.0000
ARITH. MEAN :	0.1210	0.0588	0.0670	0.0026	0.0064	0.0011	0.0005	0.0002
ARITH. STD. DEV. :	0.0704	0.0511	0.0517	0.0014	0.0053	0.0005	0.0005	0.0002
GEOM. MEAN :	0.0983	0.0291	0.0426	0.0022	0.0036	0.0009	0.0300	0.0173
1ST QUARTILE :	0.0505	0.0077	0.0153	0.0012	0.0011	0.0006	0.0000	0.0000
2ND QUARTILE :	0.1210	0.0588	0.0670	0.0026	0.0064	0.0011	0.0005	0.0002
3RD QUARTILE :	0.1914	0.1098	0.1187	0.0040	0.0117	0.0015	0.0009	0.0003
MISSING VALUES :	0	0	0	0	0	0	0	0

	ZINC UG/M3	CADMIUM UG/M3	ARSENIC UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL NITRATE UG/M3
# OF SAMPLES :	2	2	2	2	2	2
MAXIMUM :	0.0084	0.00010	0.0010	1.0165	1.16	0.42
MINIMUM :	0.0028	0.00000	0.0004	0.6586	0.70	0.35
ARITH. MEAN :	0.0056	0.00005	0.0007	0.8376	0.93	0.39
ARITH. STD. DEV. :	0.0028	0.00005	0.0003	0.1790	0.23	0.03
GEOM. MEAN :	0.0048	0.01000	0.0006	0.8182	0.90	0.38
1ST QUARTILE :	0.0028	0.00000	0.0004	0.6586	0.70	0.35
2ND QUARTILE :	0.0056	0.00005	0.0007	0.8376	0.93	0.39
3RD QUARTILE :	0.0084	0.00010	0.0010	1.0165	1.16	0.42
MISSING VALUES :	0	0	0	0	0	0